

BUILDING THE FUTURE

A History of Engineering at NMSU

1888 ~ 1988





The cover design was created by Marquita Peterson in celebration of NMSU's Centennial Year. She was commissioned by the Centennial Committee to illustrate the six Trost buildings which remain on campus.

Marquita is a native New Mexican who has studied art in Texas, Oregon, and Idaho. Her works are in private and corporate collections throughout the country. She teaches art in Las Cruces, New Mexico, where she makes her home.

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by

Linda Blazer

To Dr. Ford

*who has been “building
the future” of the College
of Engineering since
1959.*

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Linda Blazer
Barbara Powell

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Foreword

This book *Building the Future* is about the significant events that shaped the New Mexico State University College of Engineering. Most importantly it is about the people (students, professors, administrators, politicians, and community) that provided the basis on which the future is being built.

H. G. Wells was the originator of the science fiction theme of time travel. The idea of changing the future by moving back in time to alter, initiate, or prevent some event, then returning to the present to reap the benefits of that alteration, has significant appeal. A recent cinema popularization of this idea was given the title “Back to the Future.” Of course the present to which one would return could be changed and therefore the incentive for going back to the past would not have existed. The absence of incentive to go back to the past would mean then that one would not go back, etc.

This circular thought leaves us with two alternatives: 1) there is an infinite set of present times or 2) you can't change the present. If we accept the latter alternative, we can further conclude that we can't alter the present by returning to the past, but we can build on the past to influence the future by what we do in the present.

The book is not about going back to shape the future or courses of action that will build a better future, nor is it written to point out that what we should have done in the past to make the present better. Rather it is a book about the strengths of the people that built NMSU, who each in their own way had a vision for a better future focused by their efforts at the present and based on the traditions and strengths of the past.

To those today and to those who follow, use the history of the NMSU College of Engineering as a basis for *Building the Future*. Just as one cannot adequately drive an automobile without a rear-view mirror, one cannot effectively build the future without glimpses of the past.

J. Derald Morgan
Dean
College of Engineering

***Engineering
Through the Years***

1 The Early Years 1888–1913

Laying the Foundation

In 1888, the citizens of Las Cruces, New Mexico, saw their vision of an educational facility begin to take form. Las Cruces College was incorporated in the spring of that year, and opened its doors to forty students on September 17.

Educational progress in the Mesilla Valley prior to this time had been slow indeed. When Hiram Hadley arrived in 1887, only two schools served the communities of Las Cruces and Mesilla: The Academy of the Visitation and a small public school that enrolled about eighteen children. “Strangely,” Simon Kropp points out, “agitation for improved educational facilities immediately prior to Hadley’s arrival centered around the acquisition of an agricultural college, although the Mesilla Valley was lacking in an adequate public school system.”¹

In a letter to the editor of the local *Rio Grande Republican*, October 23, 1886, J. B. Bowman stated, “Almost every state and territory in the union, except New Mexico, is making liberal provisions for the higher education of their young men, and [providing] schools in which they can receive practical instruction in the sciences pertaining to agriculture, mechanic arts, mining, engineering, etc., etc.” Bowman was joined in his efforts by the editor and publisher of the newspaper, Charles Metcalfe, and others.²

Into this controversy surrounding substandard educational services walked Hiram Hadley, already recognized as a prominent educator. Hadley moved from Indiana to New Mexico to be near his son, Walter, who was in poor health. The citizens of Las Cruces, who had been promoting better educational services, found in Hiram Hadley the leadership they had been seeking. These persons included John R. McFie, Samuel B. Newcomb, George R. Bowman, James R. Waddill, William L. Rynerson, Numa Reymond, Jacob Schaublin, and W. J. Joblin.³ It was through the efforts of these concerned citizens that the Las Cruces College came into being. Hiram Hadley, of course, was appointed president.

New Mexico’s Land–Grant Institution

To understand the next stage of development, it is necessary to look at the Morrill Act of 1862. Responding to the concerns of some educators that the classically-oriented liberal arts colleges were not serving the practical needs of the American people, Congressman Justin S. Morrill of Vermont introduced legislation calling for the establishment of agricultural colleges. Passed and signed into law on July 1, 1862, this bill was called a “land–grant” measure because it donated to each state, for the endowment of an agricultural college, 30,000 acres of land for each member of Congress. As explained in the 1890 catalog,

*Section 4 provides for the safe investment of the proceeds from sales of lands to constitute a perpetual fund, which shall remain forever undiminished for the “endowment, support, and maintenance of at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts, in such manner as the Legislatures of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life.”*⁴

The full import of this legislation was made clear to the people of the Mesilla Valley when, by an act of the Territorial Legislature of New Mexico, approved on February 28, 1889, the provisions of the Morrill Act were accepted for the Territory.⁵ The Rodey Act established the Agricultural College and Experiment Station in or near Las Cruces. It further described the institution which was to be created:

*It shall be non-sectarian in character and devoted to practical instruction in agriculture, mechanic arts, natural sciences connected therewith, as well as a thorough course of instruction in all branches of learning bearing upon agriculture and other industrial pursuits.*⁶



Early Campus – 1909. L–R: Science Hall, McFie Hall (Old Main), Engineering Building, YMCA. (Hobson–Huntsinger University Archives)

The course of instruction was to be a broad one which included civil engineering and mechanics. Although the creation of a land-grant college had been one of the main objectives underlying the formation of Las Cruces College, it was not immediately clear how Las Cruces College, as it existed, could serve as the land-grant institution proscribed by the Morrill Act. Las Cruces College was striving to meet the educational needs of young children as well as older students. Therefore, the school was divided into four departments: primary, intermediate, academic, and college. To facilitate the transition, it was agreed that the present college would prepare its students to meet the entrance requirements of the projected agricultural college.⁷

Thus, when the Board of Regents of the new institution was appointed by Governor L. Bradford Prince in September of 1889, and Hiram Hadley was named president, the way was cleared for the transformation of Las Cruces College into the New Mexico Agricultural College. The story of engineering, as it has been taught at New Mexico's land-grant institution, begins at this point.

Courses of Study

On December 14, 1889, the Board of Regents formulated the first statement of educational policy. It called for "a Department of Mathematics, embracing Land Surveying and Leveling," and also, "a Department of Chemistry and Physics." As Burton P. Fleming points out in his history written as dean in 1933, "It is apparent therefore that the fundamental subjects of an engineering curricula [*sic*], namely, mathematics, physics, chemistry, and surveying were provided in this institution at its inception."⁸

The college opened on January 21, 1890, with thirty-five students enrolled. A statement in the 1890 catalog explained, "As a leading purpose of the College is to train pupils in branches related to Agriculture

and Mechanic Arts, it will be necessary to have at least two courses of study – one in Agriculture and one in Mechanic Arts. As it is impossible to equip the College this year with shops, tools, etc., the latter course is not outlined. It is confidently expected that in the near future these will be added.”

However, mention was made of the fact that “the College is provided with a first-class transit, level, etc., and students in Surveying, Levelling [*sic*], and Trigonometry will have practical training in the use of these instruments.” Surveying instruments had been purchased for \$265.00 from W. and L.E. Gurley in June 1890.⁹ Fleming points out that a whole year of drawing was required of freshmen and sophomores; a course in surveying and leveling was a requirement for juniors; and chemistry, physics, geology, and mineralogy were all required subjects. Therefore, engineering fundamentals were being taught, even though not as a separate course of study.¹⁰

The first important step taken towards an engineering program was the hiring of August J. Wiechardt, M.M.E., as professor of mechanical engineering. Wiechardt, a fully qualified engineer from Cornell University, was appointed by the Board of Regents February 13, 1891, and became one of ten faculty members, including the president.

Another significant occurrence of the 1890–91 academic year was the changing of the institution’s name from “New Mexico Agricultural College” to “New Mexico College of Agriculture and Mechanic Arts.” The change is particularly noteworthy because, according to Kropp, the new name “seemed to signify the coequal status of agriculture and engineering among the primary functions of the college.”¹¹

The catalog published in the spring of 1891 stated, “Provisions are made for opening the following courses: Agriculture, Scientific, Civil Engineering, Mechanical Engineering, Classical Preparatory and Commercial.” The course in civil engineering was outlined for autumn, winter, and spring terms for all four classes. The mechanical engineering course had not been so arranged, but it was stated that “the leading subjects taught in this course are: drawing, shop practice, mechanical laboratory, and theoretical engineering.”



Right: Professor August J. Wiechardt, first engineering professor at New Mexico College of Agriculture and Mechanic Arts – 1892. (RGHC)

There were five students in mechanical engineering during the 1891–92 academic year. This number grew to six students in M.E. in 1892–93, and three students in the civil engineering course. It is interesting to note that in 1892 the Board of Regents decided that forging and foundry work were to be included in the curriculum, and instructed the president and the professor of mechanical engineering “to purchase tents in which to set up the necessary shop equipment.”¹²

The college continued to re-work the curriculum, causing the following student comment in the September 1893 issue of the *New Mexico Collegian*:

*At the beginning of the Sophomore year, students choose agriculture or engineering. . . . In the Junior year, the engineering course divides itself into mechanical engineering and civil engineering. We were struck by the entire absence of practical study in electricity, in the mechanical engineering course, but we feel confident that the omission is inevitable, and therefore not a mere oversight. It is to be hoped that it will be supplied as soon as possible. Otherwise, the courses in both these departments are in every way thoroughly good, and in all respects as advanced as those in most other colleges. We understand that a student who has graduated in either of them will have no difficulty in at once securing a position at a salary of forty or fifty dollars a month and that the promotion in such work is very rapid.*¹³

By the spring of 1894, the college was preparing to graduate its first class, and was enjoying the distinction of "becoming the Territory's first degree-granting institution."¹⁴ Two years later, the first engineering graduate received his diploma. The May-June 1896 issue of the *New Mexico Collegian* stated that, of the four graduates, Albert Henry Peterson "completes the course in Mechanical Engineering; and all take the degree of Bachelor of Science." *

The curriculum for the following academic year would consist of four courses of study, leading to three degrees. The four courses were: 1) agriculture; 2) scientific; 3) civil engineering; and 4) mechanical engineering. The first two culminated in a Bachelor of Science (B.S.) degree; the third and fourth led to a Bachelor of Civil Engineering (B.C.E.), and a Bachelor of Mechanical Engineering (B.M.E.).

February 16 and 22, 1895, the college was visited by inspection committees appointed by the Thirty-first Legislative Assembly. The report of one committee included the following statements regarding the engineering department: "All of the college courses, as now arranged, provide for three terms work in the shops, divided equally between carpentry, wood-turning, and blacksmithing. . . . Those students who take the mechanical course are given an additional year's work in pattern making, foundry and machine shop work."¹⁵

There were two significant changes in the curriculum for 1895-96. First, because of a small enrollment,¹⁶ the degrees offered were reduced from three to one, the Bachelor of Science degree. Secondly, "the course in civil engineering was modified in such a way as to emphasize training for those who expected to design and operate irrigation works, and this course was called irrigation rather than civil engineering."¹⁷ The term "irrigation engineering" was used for two years; in 1897-98, the course was again referred to as "civil engineering." In this year, too, a new degree was offered, the Master of Science (M.S.). Charles Lewis Post, who graduated in 1900 after taking the mechanical engineering course, received a Master of Science degree in 1901, becoming the first engineering graduate to do so. Another engineer of the class of 1900, Archie Bruce Sage, received his M.S. in 1910.

Civil engineering was made a separate department for the academic year 1900-01; the classes were taught by W. M. Reed, professor of civil and irrigation engineering. After that, however, civil engineering instruction disappeared from the catalog for six years; not until the 1907-08 school year was it offered again.

The year 1907-08 was an important one for engineering. Not only did civil engineering return to the curriculum to stay, but a full course in electrical engineering was introduced and has continued since that time. Of the college's six courses of study, three were engineering - mechanical, civil, and electrical; the other three were agriculture, household economics, and a general course. Also of interest was the fact that, for the first time, the degree Mechanical Engineer (M.E.) could be substituted for the Master of Science (M.S.) degree.

"A Two Years' Course in Practical Mechanics" was introduced for the 1902-03 school year and was offered through spring 1909; in the last year the name was changed to "Two-Year Mechanical and Electrical Certificate Course." This name was more in keeping with the new name of the department, "Department of Mechanical and Electrical Engineering." Also sporting an expanded name, civil engineering became the

**NOTE: Burton P. Fleming lists Lemuel C. McGrath, a member of the Pioneer Class, as the first engineering graduate, apparently because he was shown to be in the civil engineering course in 1893. However, no mention of engineering is made in McGrath's commencement sketch in the New Mexico Collegian, and subsequent notices refer to him as a public school principal and later a merchant.*

“Department of Civil and Irrigation Engineering.” Although mechanical and electrical engineering were separate curricula, civil and irrigation engineering were combined.

The catalog announcements for 1909–10 listed the usual college courses, and also presented “Secondary Courses” – four-year industrial courses in four subjects, one of which was mechanics. These were courses of high school grade. According to the catalog, “The boy who completes the Industrial Course in Mechanics should be a competent shop foreman, power-house superintendent, foreman on construction work, machinist or electrical worker, or after some experience should be prepared for building and contracting.” The course was continued under the name “Industrial Course in Mechanics” until June 1917. The catalog for the 1917–18 school year listed “Practical Mechanics” as one of the five courses then called “College Preparatory,” and several years later, “Pre-College Courses.”

A one year industrial course was announced in 1913 “to meet the needs of young men who wish short practical courses but may not be able to meet the ordinary entrance requirements.” These students took classes in arithmetic and English in the mornings, and in the afternoons took one of the following: carpentry; brick-laying and concrete work; or blacksmithing, foundry work, steamfitting, and plumbing. The next year’s additions included power plant and electrical work. This course was called “One and Two Year Industrial Course” in 1915–16, and the following year was announced as one of the “One Year Trades Courses.” The trades course appeared in the catalogs until 1921.

Buildings

The new college was opened in rented buildings, with plans getting underway very quickly for a main building which would serve the need for administrative and faculty offices, classrooms, and a library. The proposed structure was thus described in the *Catalogue for 1890*: “The new building will be an elegant two-story and basement brick, with stone trimmings, and situated in a most beautiful and healthful spot.” An impressive ceremony, attended by some 3,000 spectators, was held to lay the cornerstone on September 9, 1890. Construction progressed satisfactorily, and McFie Hall, named for the first president of the Board of Regents, John R. McFie, was ready for occupancy about the first week of February 1891. Built at a cost of about \$23,000,¹⁸ the building was affectionately known as “Old Main,” and served the needs of the young college well for some twenty years. It was destroyed by fire in 1910.

In an article entitled, “Early History of the Agricultural College,” Hiram Hadley described the area of “Old Main” which was used for engineering purposes:

In the N.E. basement room and in a small room then the S.E. basement room, was located the department of Mechanical Engineering. In the former of these two rooms were found work benches, tool closets, a steam engine, a large grind-stone, wood-turning lathes, shafts, pulleys, belting, lumber, and during a large part of each day, a number of boys and young men diligently at work, sawing, hammering, planing, turning, etc. It was a busy, noisy spot. The small S.E. room was the office for the professor in charge, and it accommodated the classes in drawing. The whole building reminded one of a bee-hive, and as we look back to those days, we wonder how we endured the cramped and inconvenient quarters.¹⁹

The Board of Regents made an effort to alleviate these crowded conditions when, late in 1893, it appropriated \$250 for a temporary wooden structure to house the forge shop.²⁰ The following description of the new building is found in the report of the Legislative Inspection Committee which visited the college February 22, 1895:

The building is a temporary frame structure, erected entirely by student labor and is 60 x 30 in size. Half of the building is fitted up with benches, lathes, etc., for work in wood, and as now arranged there are six benches and five lathes, and eleven students can be instructed in this department at the same time. . . . In the other half of the building a blacksmith shop is being fitted up and the forges, six in number, are arranged in a semi-circle around the building and the draft furnished and the smoke withdrawn by blower. . . . During the summer another temporary building will be erected for a foundry and machine shop, also a drawing and recitation room.²¹

The committee report goes on to say:

The temporary buildings [sic] erected, and the other to be erected, are not what would be expected for the industrial college of this territory. They can only be made serviceable for a brief term of years, and will then have to be replaced by more permanent and extensive buildings. They are the best that could be built with the limited funds at the disposal of the college.²²

Work on the “more permanent” building called for by the Legislative Inspection Committee began that summer. The Engineering Building, also referred to in school publications as the “Mechanical Building,” was located south of McFie Hall, and was constructed of adobe bricks. It was “the second important building on campus, and remained for years as the headquarters of instruction in engineering.”²³ It continued to be used until 1960.²⁴



Old Engineering Building – completed in 1896. (Hobson–Huntsinger University Archives)

An article in the *New Mexico Collegian*, October 1895, entitled “Our New Shops,” detailed the plans for the new building:

As laid out, the plans call for a front portion 55 ft. x 40 ft. and an ell or wing 40 ft. x 80 ft. extending back from the west end of the front portion. The present shop building will form another wing 30 ft. x 60 ft. extending back from the east end of the front building. Between the two wings there will be a room 24 ft. x 24 ft. for an engine room.²⁵

The students noted with interest the progress of the construction, and in March 1896, expressed their pride in this addition to the campus:

Meanwhile, the new shop building approaches completion. It is already evident that it will be a magnificent structure for the purpose desired. It bears an outward appearance of solidity and permanence that is a strong contrast to the temporary-looking wooden shop building, and that harmonizes well with the thorough character of the work that will be pursued within its walls. The building is a very valuable addition to our permanent equipment, and a worthy home for the best equipped shop in the Territory.²⁶

Fleming says that with the construction and occupation of this building, a new era in the history of engineering education began.²⁷ The engineering program now had adequate space for “recitation rooms” and various shops, and so began to expand its curriculum and strengthen existing courses. Enrollment increased as well, so that by 1912 it was again necessary to plan new quarters. The building which resulted was the stately structure now known as Goddard Hall, and long recognized as the home of engineering at this institution.



Goddard Hall – built in 1913. (Hobson–Huntsinger University Archives)

A headline in the September 13, 1912, issue of the *Round-Up* reads, “Plans for New Engineering Building / To Be One of Most Costly and Beautiful Buildings on Campus.” Designed by Trost and Trost, the college architects, the new building was estimated to cost \$30,000. According to the article in the student newspaper, “It will consist of the main unit and two machinery and woodwork annexes joined onto the main unit. . . . The main unit will be three stories in height and the annexes one story.”

An update in the *Round-Up*, December 13, 1912, reported that the contract had been awarded and construction would probably begin in February. The new structure was to be erected almost in front of the old engineering building, which was now being described as “useful but ugly.” The contract called for completion by July 1, 1913; the building was expected to be ready for occupancy by that fall. It was constructed of red brick, and was indeed of such beautiful design that, seventy years later, it was still described as “majestic.”²⁸

Equipment

The efforts of the young college to provide suitable equipment for the engineering department were met with approval by the students. An article published in the *New Mexico Collegian* in 1897 listed the features of the new wood shop; its machines included “three styles of lathes, a patent scroll saw, planer, double circular saw, and trimmer. . . . The machine room is entirely new and. . . offers practical exercises in iron and steel turning and finishing, screw cutting, surfacing and fitting of castings, drilling and boring, grinding and buffing, key seating, taper work, etc., etc.” Mention was also made of “the new 40 H.P. steam plant.”²⁹

The mechanical engineering department had made great advances by 1903. “During this time [the last ten years] the floor space has increased from one thousand square feet to more than seven thousand square feet and this latter space is now found inadequate to properly accommodate the large number of students taking this work. The equipment has probably increased in a larger ratio than [sic] the floor space.” Additions to the equipment included “a full size No. 4 Tappit Motion Steam Tank Pump” and two double forges.³⁰

Faculty and Students

The story of any institution is ultimately that of the people who have helped to build it. This is certainly true of New Mexico State University. From its earliest days as the Agricultural College to the present time,

its character has been molded and strengthened by the dedication, hard work, and enthusiasm of not only its administrators and teachers, but its students as well. The founders of the young school took very seriously the charge of the Morrill Act, "to promote the liberal and practical education of the industrial classes."³¹ They struggled with such problems as limited resources, political interference and attempts to discredit the institution,³² and strove continually to improve the quality of the education they were offering to the southern part of the Territory.

From the beginning, an effort was made to recruit highly qualified instructors. Reference was made earlier to the 1891 appointment of August J. Wiechardt, M.M.E. from Cornell, as professor of mechanical engineering. Civil engineering was taught in the early years by Clarence T. Hagerty, associate professor of mathematics from Notre Dame University.

Wiechardt's replacement in 1894 by Horace Ropes, B.S., a relative of U.S. Senator and Secretary of the Interior Albert B. Fall, is cited by Kropp as an example of the political maneuvering which was affecting the college.³³ Ropes taught both mechanical and civil engineering. After that, the two courses were combined under one instructor until 1900. When Ropes resigned in 1896, he was replaced by Frank W. Brady, M.E., who held the position for six years. In February 1895, the Legislative Inspection Committee included the following statement in its report: ". . . the teachers, from the assistants up to the president, are earnest and energetic, and the enthusiasm inspired, and the attendance secured, prove their efficiency."³⁴

By 1902, Charles Mills had worked his way up from instructor in the college shops to professor of mechanical engineering. He headed that department until poor health caused him to resign in 1905.³⁵ The position was then taken over by Charles E. Paul, S.B. (present day B.S.).

Burton P. Fleming was hired as professor of irrigation engineering in 1907, and from that time on, irrigation (or civil) engineering had a place in the curriculum. In 1907, also, electrical engineering made its appearance. Archie Bruce Sage, who had graduated from the college in 1900³⁶ and had been working in the mechanical engineering department since 1899, was named associate professor in mechanical engineering and instructor in electrical engineering. In the following year, 1908, the name of the department was changed to the Department of Mechanical and Electrical Engineering, and Archie B. Sage became the head, serving until 1914.

The viewpoint of students has been recorded since February, 1893, when the *New Mexico Collegian* first appeared. This monthly publication was the predecessor of the *Round-Up* (student newspaper) and the *Swastika* (yearbook), both of which began in 1907. Perusal of the early issues shows that the work of students in mechanical and civil engineering classes was noted with interest:

The case in the hall containing specimens of some of the work done by the mechanical students speaks highly for that department of our College. From Prof. Wiechardt we understand that no less than five native woods are there represented, tornillo, mesquite, cedar, and native mahogany and pine. Visitors to the College will do well to note the workmanship of some of the vases, Indian clubs, and other lathe works. (February 1893)

The parallel bars just turned out by the mechanical students are a fine production. Keep up the good work and we shall soon have a gymnasium. (March 1893)

The Civil Engineering class are hard at work on their railroad to Bishop's Cap, with Prof. Hagerty as chief engineer. (October 1893)

The Mechanical Department is getting its exhibit ready for the Territorial fair to be held at Albuquerque next September. (June 1895)

The following article is found in the April 1, 1912, issue of the *Round-Up*:

On Friday last Professor A. B. Sage took the Senior Engineers - Messrs. Leslie Herrmann, John Haggart and K. Olaf Windsor - to El Paso in his Reo car. . . . The party left the College a little after seven o'clock and made the trip in the short time of two and one-half hours; the return trip took more time, however, on account of darkness. The object of the trip was to visit some of the larger manufacturing

establishments of the Pass City.

As the monthly *Collegian* had evolved into a full-fledged student newspaper, so the young college was growing and expanding, offering its students ever-increasing opportunities as it reached the quarter-century mark.

2 The Goddard Years 1914–1929

Important Beginnings

The year 1914 was very important to the history of engineering at New Mexico State University. A School of Engineering was created and placed under the leadership of Dean Arthur F. Barnes. That year, too, brought the arrival of another newcomer who was to have a tremendous impact on the institution – Ralph Willis Goddard.

Goddard had earned a Bachelor of Science degree in electrical engineering from Worcester Polytechnic Institute in 1911. In 1913, he was filling a position as instructor of electrical engineering at the University of Nebraska when he received a telegram inviting him to come to New Mexico College of Agriculture and Mechanic Arts as head of the electrical engineering division.¹ He moved his small family to Mesilla Park, New Mexico, and immediately set about meeting the challenges of guiding the college's youngest department; an electrical engineering curriculum had been established in 1907.

The rumblings of the Mexican Revolution were causing increasing concern to the citizens of southern New Mexico in 1915–1916. Ironically, the military activity provided the impetus for Ralph Goddard to further investigate and develop an area of lifelong interest – wireless communication. Ann M. Velia has related that “he was approached for help in setting up a military communications system between the border patrols, and proved himself capable of the task.”²

As Goddard considered this use of telegraphy, an idea began to grow: “If radio communication could be quickly set up among temporary border patrols, wouldn't a similar system be a boon to New Mexico's isolated residents?”³ He was to continue to develop this concept.

Although the troubles on the Mexican border were disquieting – especially so since one of the casualties of Pancho Villa's raid on Columbus, New Mexico, on March 9, 1916, was alumnus Charles D. Miller, a former territorial engineer⁴ – the feeling on campus was generally one of good will, hard work, and mutual support. Since money was not abundant, faculty members frequently made small loans to students or invited them home for dinner. According to Ann M. Velia, author of *KOB: Goddard's Magic Mast*, “the students, . . . unburdened with big-city sophistication, were honest and earnest, proud to be enrolled. . . . The college was a communal family, the pace leisurely enough that people had time to look out for each other.”⁵

The *Catalog for 1914–1915, Announcements for 1915–1916* shows that the number of college courses had been increased to seven, with the addition of irrigation engineering. This statement appeared for the first time: “There are three grand divisions of the work and functions of the College. These are: Instructional Service; Experiment Station; Extension Service.” A listing of the Experiment Station staff includes the name of Frederick Louis Bixby, irrigation engineer, formerly professor of civil and irrigation engineering. Bixby is also listed as one of the “Specialists” on the Extension Service staff.

The four areas of engineering taught the previous year now constituted four departments, as explained in this introductory paragraph:

*Engineering has been defined as the utilization of nature in the service and for the benefit of mankind, as illustrated in the construction and use of machinery, the erection and maintenance of structures, and the discovery, decomposition, and recomposition of the component parts of material things. The field thus described is so vast that it is impractical in this age of specialization for one to cover the whole, and for the needs of the southwest, four year courses are given by the several departments in Civil, Electrical, Irrigation and Mechanical Engineering, leading to the degree of Bachelor of Science in the course taken.*⁶



Field Buzzer Practice – Radio Detachment, 1918. (Rio Grande Historical Collections)



Kansas Detachment – 1918. (Rio Grande Historical Collections)

The *Catalog for 1915–1916* presented the college's course offerings in one of three schools: Agriculture, Engineering, and General Science.

War Years

An "Engineers' Special Issue" of the *Round-Up*, dated March 27, 1917, included sixteen articles on the state of engineering at New Mexico College of Agriculture and Mechanic Arts. Most of the articles are signed by either professors or students and bear titles such as, "Good Work Is Being Done by Alumni of Engineering," "The Field for Electrical Engineers in the West" (by Goddard), "Engineering Courses Are Better Than Ever Before" (by Dean Barnes), and "The Southwest Has No Better E. [sic] Laboratory." Clearly, the students and faculty were proud of their school.

One article described the Engineers' Club, which had been formed "almost at the same time" as the college's founding and had been "entirely overhauled and reorganized" in 1914. "The object of the Engineering Club is to forward the interest of each and every student of engineering in every way possible." The benefits of membership "can be obtained in no other way during the entire college career."⁷ Another article predicted a bright future for the newly organized Southwestern Society of Engineers, "an organization among all the practicing and teaching engineers of the states of New Mexico, Arizona and West Texas, which has in it the possibilities for large influence in the industrial, social and political development of the Southwest."⁸

Yet another article addressed the need for more engineers in the event of war. It was pointed out that "at present the United States has eight thousand men and officers in the engineering division. In case of war there would be a necessity for 22,000 more at once."⁹ Less than two weeks after this issue of the *Round-Up* came out, the United States was at war.¹⁰ Enrollment dropped as students left to fight for their country; "the carefree innocent spirit at the college came to an end."¹¹

The college, particularly through the Engineering School, was to make significant contributions to the war effort. Ann M. Velia describes one of the first in her book, *KOB*:

The United States Signal Corps, through the Federal Board for Vocational Education, selected New Mexico College of Agricultural [sic] and Mechanic Arts as a site for training some of the 15,000 buzzer operators needed in Army communications. Ralph [Goddard] was relieved of his teaching duties and placed as civilian head of the training school.

Several barracks were erected to house the radio equipment, and troops were established in a "tent city" when the school opened December 3, 1917.¹²

In the spring of the next year, President Austin D. Crile received notification that “several hundred soldiers’ would be sent to the campus in order to take courses in engineering, blacksmithing, and other mechanical skills. . . . In early July [1918], the campus was inundated by some 220 soldiers, who were to be trained and replaced at approximately sixty-day intervals.”¹³

The college’s plan by which students could be trained as soldiers was called the Students’ Army Training Corps; it was fully described in the *Catalog for 1918–1919*:

The New Mexico College of Agriculture and Mechanic Arts was one of the many educational institutions of the country that turned over practically all of their resources to the Government for the training of soldiers during the latter part of the war. Both Station A and Station B [sic] of the Students’ Army Training Corps were established here, Section A being known more strictly as the college section, and Section B as the vocational section.

Section A

Section A. . . was organized with the opening of the school year, September 30, 1918. Instruction in this section was given by the regular college faculty and included classroom and laboratory work, distributed in courses as follows:

Engineering	50
Agriculture	26
Sanitary Corps	<u>3</u>
Total	79

Section B

Section B. . . was organized some three months earlier than Section A. Work in this section was under the supervision of the School of Engineering. In the emergency of training soldiers during the summer of 1918, the Engineering School was the first and only school in the State of New Mexico to be asked to train soldiers in vocational subjects. This work began July 1, 1918 and continued until the signing of the armistice. Following is the number of men trained in the various trades at this institution:

Carpentry	65
Concrete construction	68
Radio	22
Horseshoeing	40
Truck driving	88
Auto engine repairing	52
Machinists	18
Oxy-welding	2
Starting and lighting	38
Ignition	<u>35</u>
Total	428

The following members of our regular faculty were entirely engaged in teaching war courses in positions as indicated:

- Austin D. Crile, President*
- A. F. Barnes, Dean of Engineering and Supervisor of War Training*
- R. W. Goddard, Instructor in Radio Operation*
- A. H. Hoffman, Instructor in Engine and Chassis Repair*
- M. S. Bowen, Instructor in Machine Shop*
- J. W. Jourdan, Instructor in Concrete Construction*

Training for war was not the college’s sole activity, however. In 1918, an eighth course, vocational teachers, was added to the college curriculum, and agricultural engineering became the fifth department in the School of Engineering.



Beginning Auto Department – 1914–1915. (Hobson–Huntsinger University Archives)



Truck-driving school – 1918. (Rio Grande Historical Collections)

Reaching Out

The Engineering School was expanded further in 1919 as physics joined the departments of agricultural, civil, electrical, irrigation, and mechanical engineering. Kropp notes that “the engineering school attracted as many students as the agricultural school, an unexpected outcome perhaps of the late war. . . .”¹⁴ Also, this year, the Engineers’ Club voted to affiliate with the American Association of Engineers as a State College Chapter of the organization.¹⁵

In 1920, Goddard became dean of the School of Engineering when Arthur F. Barnes resigned from that position. That year, too, Harry L. Kent became president of the college. Both men were to contribute greatly to the progress of the institution.

Hugh M. Milton has written, “The decade of the Goddard administration was characterized as one of consolidation and formalization of the engineering program. The objective was to strengthen the curricula; secure a fully competent faculty and provide the best equipment with the available monies.”¹⁶ Milton credits Goddard with beginning a program of development which would later lead to the School’s accreditation.¹⁷

The college curriculum and the number of engineering departments continued to fluctuate for the next few years. When school started in the fall of 1920, irrigation and civil engineering had again been combined into one department. Two years later, chemical engineering became the sixth department in the School of Engineering.

With the armistice came the lifting of the ban on amateur radio activities, and Professor Goddard continued to pursue his interests in this area. The Radio Club was organized in Goddard’s home October 11, 1919, comprised of the interested students who had been invited to listen to the receiving set he had constructed in his basement.¹⁸

The club then salvaged a receiving set from the Army training school, as well as a wooden building which had been used in the same program. The building, which became known as the “Radio Shack,” was moved to the rear of the Engineering Building (now Goddard Hall) so that that building’s sixty-foot tower could be used for aerial support.¹⁹ Two sixty-foot masts were erected, one from the tower of the Engineering Building, so that it reached a height of 120 feet, and one set in the ground near the Radio Shack. “In November,” writes Ann Velia, “after only a month in service, wind destroyed the taller mast, dropping it in three pieces through the roof of the Engineering Building.”²⁰

Goddard and his Radio Club members were quick to recover from such setbacks. With a new 133-foot antenna and experimental radio license number 5XD issued June 3, 1920, for a 50-watt continuous-wave transmitter, the campus Radio Club began public broadcasting. Time signals received from the Naval Radio Station in San Diego and weather reports from the United States Weather Bureau in Denver were given in telegraphic code at 12:00 noon and at 10:00 p.m.²¹

After receiving the commercial license 5XD, the Radio Club began to make great strides. September 1920 saw the college's affiliation with the American Radio Relay League. The resulting increased activities led to the expansion of the Radio Shack in October. In November, the presidential election returns were received and telephoned to a group of students and townspeople assembled at the college.²²

In August 1921, Professor Goddard and student Earl Kiernan used their portable radio equipment to coordinate rescue efforts after a flood destroyed much of the towns of Hatch and Santa Teresa, New Mexico.²³ Service of this kind exemplified the benefit to New Mexico citizens that Ralph Goddard envisioned as part of the wonderful potential of radio.

"Five hundred new voice stations went on the air in 1922," Ann Velia writes, "all on the same wavelength. Among them was the New Mexico College of Agricultural and Mechanics [*sic*] Arts station, assigned the call letters KOB on April 5, 1922. From then on regularly scheduled programs went out from the one kilowatt transmitter."²⁴

Initially, the programs were informational. The station's first big user and greatest supporter was the college's Agricultural Extension Service, whose administrators quickly saw the advantages of this means of disseminating information. Later programming included public health information, travelogues and highway condition reports.²⁵

On October 14, 1922, KOB broadcast a play-by-play description of the football game between the Aggies and the Albuquerque Indians. In Kropp's words, "This broadcast, hailed as an event that had occurred for the 'first time in the history of the Southwest,' became all the more glamorous by virtue of a 56-0 victory."²⁶



1922 – Goddard (on dome) and R. W. Stewart (on mast) stabilizing the KOB antenna. (HHUA)



Charter members – State College Radio Club. (Back L–R): Walker, Buell, Bentley, Horr, Rutledge. (Front L–R): Percy, Tudor, Eddleman, Keeler, Goddard. (RGHC)



November, 1925. R. W. Stewart in one of the nation's first football game broadcasts. (RGHC)

Victrola music was added to the station's offerings in September 1922, with schedules being printed in local newspapers. On December 10, a 500-watt continuous-wave transmitter was put into service. The greatly increased broadcasting range was proven by receipt of a card from the Samoan Islands, stating that KOB's broadcast had been heard there, a distance of almost 5,000 miles!²⁷

By the spring of 1924, KOB was presenting headline news at noon, Aggie alumni news bulletins and live programming which included concerts, lectures, and sports events. The station's daytime range was figured to be one thousand miles.²⁸ Cards and letters were received from various parts of the country. A. J. Coats, an alumnus of 1920, wrote from Fort Collins, Colorado:

Several radio fans here are very much impressed with the Aggie broadcasting station, and when anyone asks me where I am from, I tell him State College, New Mexico, and he immediately connects it up with the radio broadcasting station. You may tell Dean Goddard for me that he is getting some real good advertising for the institution out of his station.²⁹

In addition to reaching New Mexico's citizens over the air waves, Goddard had traveled all around the state, giving lectures and demonstrations aimed primarily at attracting new students.³⁰ Of the 1924 commencement ceremonies, Kropp says, "Significantly, the engineering graduates outnumbered the agricultural graduates seven to three."³¹

By 1924, President Harry L. Kent had eliminated the secondary school courses from the curriculum, so that the program was now fully college level. And there was another reason, not so readily apparent, that 1924 would prove to be a very important date to the School of Engineering and the college: in this year Hugh M. Milton II joined the faculty of New Mexico College of Agriculture and Mechanic Arts as head of the mechanical engineering department.

A Chapter Closes

In 1925, the engineers' honor fraternity, Mu Phi Pi, was organized; this became Sigma Tau and later Tau Beta Pi. Mathematics was added to the School of Engineering, making seven departments, and then dropped again the next year. Agricultural engineering was offered until 1932 and physics was taught solely by engineering professor Daniel S. Robbins from 1923 until 1934, when George Gardiner came.

As the engineering profession continued to develop, so did engineering education at the southern New Mexico college. Simon Kropp says that, for the fall semester 1927, "the school of engineering registered some 100 students, triple the number in the school of agriculture."³² Dean Goddard had noted in a talk on the history of the Engineering School, that the engineering enrollment had increased 400% from 1914 to 1927.³³

The School of Engineering offered two unusual courses during this period. One was an aviation course, taught by Professor Milton. Offered from 1927 to 1935, it is thus described in the college catalogs:

M.E. 120 Aeronautics. Airplane engines, fuselage construction and design, meteorology and theory of flight. This course is designed to give those students in mechanical engineering who prefer to go into aviation, the fundamentals of ground school instruction. It is substituted in lieu of M.E. 122 [Industrial Management].³⁴

Another interesting addition to the curriculum was a course in international telegraph code, which Dean Goddard offered over KOB in 1925 to anyone with a "set to practice the lessons on."³⁵ The correspondence concerning this course is among the engineering records preserved in the University Archives.

The young chemical engineering department was establishing itself during this period. The arrival in 1926 of Luke Berry Shires brought to the college a man who was to be "the heart and soul" of the chemical engineering program on this campus until his retirement in 1964.³⁶ The first B.S. degrees in chemical engineering were awarded in 1926 to Arthur Judson Stewart, Jr., and to Charles Edward Shipe.³⁷ A 1929 graduate, Bruce H. Sage, went on to earn a place of international renown in the field of chemical engineering thermodynamics;³⁸ he was awarded an honorary doctorate by the college in 1953.³⁹

Another important name added to the list of faculty in 1926 was that of Daniel Boone Jett. A professor in the civil engineering department, Jett instituted a cooperative education program in 1929 whereby students could attend class for six months of the year and work for an industrial firm the other six months. As explained in the *Catalog for 1929-1930*, "the school is seeking cooperation from power companies, telephone companies, state highway departments, railroad companies, oil companies, mining companies, smelters, refineries and any other corporations or individuals who might employ engineering students." Kropp, in his history of the institution, mentions the cooperative plan with the state highway department.⁴⁰ Courses in mining engineering were offered under the co-op plan, in conjunction with the New Mexico School of Mines at Socorro. The cooperative education program, which at one time had about forty students enrolled,⁴¹ was offered until 1936.

Throughout the late 1920's, Dean Goddard continued to develop KOB. On May 11, 1927, the station received permission to operate at 5,000 watts, and by 1929, the power allotment had been increased to 10,000 watts.⁴² A new transmitter house was built around the old Radio Shack in 1927. The wooden building was later removed piece by piece through the door of the brick construction.⁴³ KOB achieved another broadcasting "first" when it brought the 1928 World Series to the Southwest. "More than five hundred headsets were distributed to ex-servicemen at Ft. Bayard, New Mexico's Veteran's Hospital, in time for the game."⁴⁴

Despite the excitement generated by the station, KOB's presence on the campus was viewed with dissatisfaction by some members of the college community. Ann Velia explains that "although Goddard financed the station's construction and operation to a large degree with his personal funds, and although his powers of persuasion amassed many financial and equipment assets, it was true the station placed some burden on the college. Operating utilities were paid by the college; so were student salaries paid to station employees."⁴⁵

It was finally decided in 1928 that KOB should be separated from the college. "While Ralph Goddard would suffer most from the loss of the station, he was the best-informed person to determine and promote KOB's material and intrinsic worth; and best-qualified to assess a prospective buyer's ability to maintain KOB's prominence in broadcasting. Thus, to him fell the burden of disposing of KOB."⁴⁶

A tentative offer from a group in El Paso was received late in the year 1929. Goddard planned to review it during a holiday vacation but had resolved that, until the station was sold, he would make sure that the broadcasts were memorable. He went to the studio December 31 to prepare for a special New Year's Eve program.

In order to enter the generator room from the broadcast studio or the operating room, it was necessary to go outside the building and around to a door which was kept locked at all times. Goddard had designed this plan because of his knowledge of the danger inherent in the arrangement of the powerful motor-generators. He had also devised a tool - a pencil taped to a yardstick - to help with the adjustment of operating parts which were slightly out of easy reach. It was kept in the operating room.

It had been raining most of the afternoon on December 31, 1929. Suddenly, an accident in the generator room attracted the attention of those nearby. Dean Goddard had apparently attempted to make some adjustments on the high-voltage generators. His shoes must have been wet, as was the yardstick-tool he used. The current, driven by 12,000 volts,⁴⁷ traveled through the stick to his arm, electrocuting him. Although two doctors and a resuscitation team from El Paso worked valiantly for five hours to revive him, it was to no avail; at 9:45 p.m., Ralph Goddard was declared dead.⁴⁸

KOB went off the air when the accident occurred, and did not resume broadcasting until January 2, 1930, when Goddard's memorial service, held in Hadley Hall, was broadcast to the nation. The following are excerpts from President Kent's address:

To KOB Audience:

It is with extreme regret and grief that I have to announce to you tonight the death of the creator or builder and the director of KOB, Dean R. W. Goddard. . . . As professor of electrical engineering and Dean of the School of Engineering in the New Mexico College of A. and M.A., he was loved and

*admired by faculty and students alike. No dean was ever remembered more frequently by former students and associates. No engineering instructor was more admired or respected by practicing engineers. . . . He had built a strong engineering school both in physical equipment and reputation of graduates while in charge as Dean.*⁴⁹

Goddard had built KOB into “the most powerful college station in the world, and the thirteenth most powerful of any type.”⁵⁰ But more important than the radio station were his contributions to the college and to the School of Engineering. Milton writes, “It is understandable that the Engineering School had quite a task in launching upon a professional engineering course. In this program Goddard was at the helm, and to him must be given great credit for the future prestige of the Engineering College of New Mexico State University.”⁵¹

3 The Leadership of Milton and Jett 1930–1946

A New Focus on Image

According to Hugh M. Milton, “it took the first three decades of the twentieth century to place engineering education in a competitive position with engineering colleges.”¹ Thus, by 1930, the stage was set for the great strides in professional growth which would be taken by the young Engineering School.

Professor Daniel Stucker Robbins was appointed acting dean of the School of Engineering after Goddard’s death and served the remainder of the 1929–30 academic year. During the summer of 1930, James T. Rood, from the University of Wisconsin, was appointed dean. Milton explains that the decision of the Board of Regents was based in part on Wisconsin’s reputation as an outstanding engineering institution, and the belief that the representative of such a school would aid in the competition with the University of New Mexico. As engineering at New Mexico A & M “began to move in the direction of professional engineering,” UNM felt that its standing was being threatened and attempted to persuade the state legislature to limit this program to practical mechanics.² It was hoped that Rood’s presence would add prestige.

However, Dr. Rood found it hard to adjust to life at the New Mexico school, with its comparatively low salaries and limited availability of equipment. “At the end of the first semester of 1930–31 the administrative details of the Engineering School were turned over to Professor Milton,”³ although Rood remained as dean until June 1932.

The leadership of the Engineering School was then assumed by Burton P. Fleming, who had been professor of irrigation engineering at the college from 1907 to 1909. Fleming had recently resigned as head of the Elephant Butte Irrigation District. Milton says that “Dean Fleming contributed greatly to the stature of the Engineering Department by reason of his recognition as an engineer, his personal qualities, and his familiarity with the locality. His gentlemanly approach and friendly attitude, together with progressive leadership, did much to pull frayed and discouraging factions into a favorable light.”⁴

In 1931, Kropp reports, Professor Hugh Milton had been made a colonel in the Army Reserve and was ordered to attend a command school in Washington, D.C., in the spring.⁵ He resumed his teaching duties in the mechanical engineering department upon his return. Although Milton was frequently in the public eye, one occasion that year afforded some unusual publicity. The November 4, 1931, issue of the *Round Up* ran the following story under the headline, “Engineers’ [sic] Arrested On Three Charges”:

Professor Milton and “Shorty” Irwin had a very good opportunity to display their diplomatic abilities when the Engineers’ hay ride was stopped on Main Street of Las Cruces and arrested for speeding (can you imagine speeding in a horse drawn wagon?), littering the streets and disturbing the peace. . . . [The charge of “disturbing the peace” was the result of singing “Aggies,” while “littering the street” referred to throwing some hay from the wagon.]

The procession had gone about three blocks when it was stopped by local cops. It took Professor Milton and “Shorty” Irwin some five minutes to iron out the trouble. Everyone was much quieter as they proceeded toward the Country Club [for a dance].

After the dance was over, the procession wended its way back toward the college by a more devious route, carefully avoiding the main part of town.

The women of the dormitory experienced the thrill of a lifetime – that is, staying out until after one a.m. without being called on the carpet.

The engineers, and some of the women, would like to nominate Professor Milton for the position of “Best Chaperone on the Campus.”



Engineers' Club – 1929–30 school year. (Hobson–Huntsinger University Archives)

Melvin A. Thomas joined the faculty as an electrical engineering professor in 1931; the following year, John W. Jourdan returned to the civil engineering department after a ten-year absence. President Kent suggested, in 1932, that the college call itself “New Mexico State College,” although he knew the name could not be officially changed by the administration.⁶ In 1932, also, Professor Milton was directed by the Board of Regents to improve the condition of the existing buildings on campus and to supervise new construction.

To accomplish this, he was to take advantage of the support of such federal agencies as the Civil Works Administration (CWA), the Public Works Administration, and the National Youth Administration (NYA) – agencies “designed to provide jobs through construction that would benefit the people as a whole.”⁷ He was to start with \$76,000 in government bonds which President Kent had been holding for the college for some ten years.⁸

Milton began by having the buildings plastered; new construction included a feed and fertilizer building, an addition to the Engineering Annex, the beginning of the Student Union, and two units of the girls' dormitory quadrangle. The latter were built at a cost of \$550.00 per unit, “including the furniture which was made in the shops of the Engineering School by N.Y.A. students.”⁹

Other campus CWA projects described by Kropp included such public improvements as ditches and sidewalks. In 1933, “Dean Fleming and Professor Jett were appointed the C.W.A.'s regional director and state representative, respectively. Reportedly, Jett's projects employed several hundred ‘engineers.’”¹⁰

Professor Daniel B. Jett became head of the civil engineering department in 1933; the following year, Professor Milton was made acting dean, and became the dean in 1935.

In 1933, Burton P. Fleming wrote, “About 1925, by cooperative agreement between the Engineering School and the State Highway Department, the materials testing laboratory of the Highway Department took over the space and facilities of the Engineering School and all testing work of the Highway Commission is now being done practically at the back door of the institution. . . .”¹¹

The decision was made to name the engineering building “Goddard Hall,” for Ralph W. Goddard, and the dedication ceremonies were held March 17, 1934. John G. Barry, President of the El Paso Chapter of

the American Association of Engineers, spoke these words: "To what and how would he have wished this splendid building dedicated? I believe from my knowledge of Dean Goddard we understand his wishes when we dedicate it to 'good engineering,' which includes sincere teaching and responsible citizenship."¹²

One of the products of Goddard's tenure at the college was radio station KOB. In 1931, Dean Rood disclosed that negotiations to transfer radio station KOB to Albuquerque had been underway for some time.¹³ The Albuquerque *Journal* assumed the management of the station in 1932 and issued the following statement:

*The Journal states that radio station KOB is owned entirely by the New Mexico State College. The arrangements entered into for its removal to Albuquerque affect in no way the ownership of the station. Any betterments that the Journal may add will also become the property of the college.*¹⁴

A note in the *Catalog for 1935-1936* reads, "The college uses its allotted time over KOB to broadcast educational material of various kinds." However, complications proved to be too great, and in 1936 the station with its license was sold to the Albuquerque Broadcasting Company.¹⁵

The catalog published in the spring of 1936 included the death notice of another program, the cooperative courses in engineering which had been initiated by Professor Jett in 1929. It was explained that

all of the companies who have been working with the school have been compelled under their economy programs to reduce their working forces, and all of our students, having no dependents, were cut off. Hence at the present time the school is compelled to ask the co-operative students to find work wherever possible during their working periods, until conditions become improved to such a degree that the original plan may be resumed.

Related to the co-op program was the summer school: "Since the inauguration of the co-operative plan, courses have been offered in the Engineering School during the entire summer." It was noted that "the Engineering Summer School will not be held during the summer of 1936, but it is expected to be continued again in 1937 and subsequent years."

Accreditation and Beyond

Hugh Milton has called the accreditation of the Engineering School "the most pressing problem" he had to face upon becoming dean. "Goddard had started a program of development in 1924 and Fleming pushed it along. The confusion in administration from 1930 to 1934 detracted from a progressive program and Milton's big job was to pull the ends together; clearly state the objectives of the departments, and prove that the curricula was directed toward the objectives."¹⁶

Inspection and accreditation of engineering curricula was begun in 1937 by the Engineers Council for Professional Development (ECPD). M. A. Thomas explains that "the chief reason for this activity was to permit state boards of registration for professional engineers to recognize acceptable educational credentials of applicants of registration."¹⁷

Milton credits a number of faculty for their assistance in preparing for the submission of engineering programs for accreditation: D. B. Jett, head of civil engineering; M. A. Thomas, head of electrical engineering; M. T. Lewellen, head of mechanical engineering; L. B. Shires, in charge of chemical engineering; Harold A. Brown, who joined the electrical engineering faculty in January 1937; George S. Gleason, who taught architectural engineering (called "architecture" after one year), 1937-1940; and Frank Amador, Jack F. Clark, John Butler, and Stuart H. Sims.¹⁸

It was the intention of the Engineering School to submit the programs of civil, mechanical, and electrical engineering for accreditation; chemical engineering was not included, because it lacked adequate laboratory facilities. When the ECPD inspection committee visited the campus during the 1937-38 school year, it commended the staff on the clarity of the objectives and the design of the curriculum.¹⁹ In November 1938, the School of Engineering was accredited in civil, electrical, and mechanical engineering, "thus assuring acceptance of its graduates in other states and recognition of its credits by other schools."²⁰



Engineering Faculty – 1936. (Standing L–R): M. A. Thomas, J. F. Clark, H. M. Milton, F. Amador, S. H. Sims, M. T. Lewellen. (Seated L–R): L. C. Campbell, D. B. Jett, L. B. Shires, J. H. Butler. (HHUA)

One aspect of the curriculum which elicited favorable comment from the accrediting committee was the broad scope which reflected an emphasis on the professionalism of engineering rather than practical aspects alone. Engineering students were required to take such courses as specification writing and economics, in addition to extra work in mathematics as needed. Courses in industrial management and engineering law were also available.²¹

On September 19, 1938, Hugh Milton was elevated to the presidency of the college, and Daniel B. Jett was named dean of the School of Engineering. Jett had become the most popular teacher on campus, so that Milton wrote, “Not only was he the senior professor. . . but there would have been a faculty and student revolt if he had not been promoted.”²²

According to an article that appeared in the *New Mexico Professional Engineer* in January 1960, it was soon after Jett became dean that he acquired the nickname, “Dad” Jett.

*[Those] of us who worked with him or for him know how he earned the name. Any good, wholesome activity had his complete support; Dad could be counted on to chaperone dances, picnics and house-parties to any hour, as long as everyone present was having a good time. He would dance until one o’clock, have a late snack, and be on hand the next morning, bright-eyed, enthusiastic and well prepared to teach an eight o’clock class. He was chosen most popular faculty member for seven different years.*²³

Military Effort on Campus

Historian Simon Kropp writes that “the fall semester of 1939 began almost simultaneously with the *blitzkrieg* on Poland, in essence the opening shots of the second World War.”²⁴ The college community heard frequent speeches and debates on the topic of war and peace. One of the more practical responses was the inauguration of a pilot training program, held under the auspices of the Civil Aeronautics Authority and directed by Dean Jett.²⁵ This program was expanded into the National Defense Training Program in 1940.

According to engineering records in the University Archives, the proposals to conduct training for national defense through schools and colleges had been set forth by the United States Commissioner of Education, and had been passed into law by the 76th Congress. The State of New Mexico presented a plan whereby the State Board of Education also became known as the Board for Vocational Education and, as such, governed the National Defense Training Program, though it was federally funded.

The program was designed to train non-students in skills needed for the defense effort. The term “trainees” was used to distinguish participants from students of New Mexico College of Agriculture and Mechanic Arts, but some college students were also trainees. Classes were held in Alamogordo, Carlsbad, Deming, and Roswell, as well as State College.²⁶

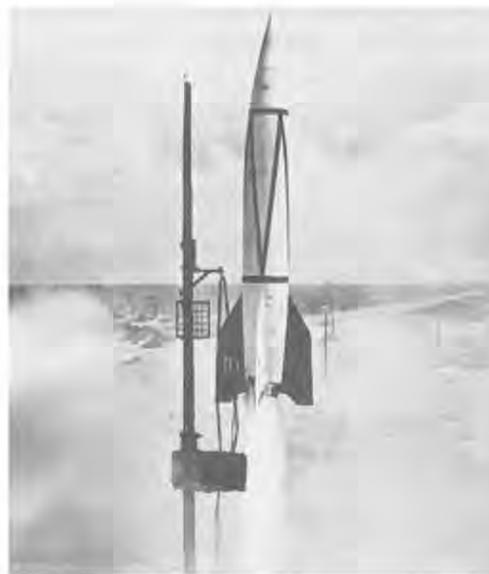
Organized in August 1940, with J. F. Clark as coordinator, the training school included several programs: intensive courses in aircraft and other mechanics were taught in cooperation with the Work Projects Administration (WPA) and the NYA; the Smith-Hughes course was a two-year program with more general courses; civilian pilot training provided ground school and thirty-five to fifty hours of beginning flight training; and girls’ first aid filled a “definite need in the national defense program.”²⁷ John M. Haberl took over as coordinator in 1941. The program was dismantled in 1945 with the end of the war.

Another military effort was the Army Specialized Training Program (ASTP), established in mid-1942. In contrast to the national defense program to train non-students, the ASTP “brought several hundred of the finest young men of the army here for an accelerated training which was definitely college level engineering. . . . The entire unit was suddenly called into combat duty in the spring of 1944 and unfortunately most of the men did not get to use their college training in army jobs. Many of these later returned to the college to complete their degrees.”²⁸

The ASTP’s members, roughly 500 in number, had contributed significantly to the college’s enrollments, which declined sharply during the war years. Only about 280 students registered for the fall semester of 1945, forty of whom were engineers.²⁹ Hugh Milton had been called to active duty in September of 1941; he returned in 1945 when the war was over.



National Defense Trade School – 1942. (Rio Grande Historical Collections)



V-2 Missile, White Sands Proving Ground – August 1951. (Rio Grande Historical Collections)

In April 1945, an event occurred which was to have great significance for the college: the War Department authorized the formation of White Sands Proving Ground, later called White Sands Missile Range. Several members of the College’s faculty had made scientific contributions to the war effort, so that Kropp says,

Thus by tradition, personnel, and location the College was readily suited to cooperate with the newly established missile center at White Sands Proving Ground. Test firings of German rockets, with the ‘voluntary’ assistance of German scientists, were conducted during the early months of 1946. During the summer Professor [George] Gardiner and a staff of some twenty-five faculty members and student

*assistants were brought into the guided missile field. Laboratory work . . . was conducted [on campus] . . . Funds for the research and operational work were largely provided by contracts with the government. . . . At the same time "private" organizations. . . were making scholarships in applied physics available to promising students. Thus, the pattern of advanced training in mathematics and the physical sciences was created. The "military-industrial complex" had reached into the campus.*³⁰

Associate Dean C. Quentin Ford was a student at New Mexico A&M at that time, and he recalls groups on campus watching the contrails in the skies over the Organ Mountains, as the missile firings continually resulted in new altitude records. "We were literally observing history happening," he says.³¹

Another development which followed closely behind the establishment of the White Sands Proving Ground, and was related to it, was the creation of the Physical Science Laboratory (PSL), "the brain child of Professor Gardiner."³² Dr. Ford explains that George Gardiner, head of the physics department, had gotten contracts with White Sands and the Defense Agency to do data reduction. Gardiner obtained space in the basement of Kent Hall and hired students (some of whom were Ford's classmates), at the rate of 50¢ – 75¢ per hour, to read the data on filmstrips and, using hand-operated calculators, to determine trajectories, distance, etc. "This literally became PSL – off the backs of George Gardiner, a couple of faculty, and a few students."³³ Gardiner worked closely with M. A. Thomas, head of the electrical engineering department, on the data reduction and many other projects. Harold Brown was one of ten or twelve faculty who divided their time between an engineering department and PSL, as was Dr. C. Donald Crosno, who came in the spring of 1947.³⁴

The year 1947 was one of many changes. President Hugh M. Milton announced his resignation in order to accept a similar position at the New Mexico Military Institute at Roswell; the student union building was named in his honor that year. Dean Jett was one of two college administrators who were forced to step down at age sixty, based on a policy approved by the Board of Regents ten years earlier. He returned to teaching, and continued as the head of the civil engineering department, while Melvin A. Thomas became the dean of the School of Engineering.

4 The Thomas Years 1947–1961

Setting the Stage

Nineteen forty–seven marked the beginning of a new era in the history of the College of Engineering as well as for the entire institution.¹ The enrollment of veterans was reaching its peak, staff who had been away during the war had returned, and a general reorganizing of the institution was in progress. A new president was being sought, as General Milton had given his resignation, and new deans were to be appointed for each of the three academic schools.

The search for a suitable man to replace Dean Jett was especially difficult, as the demand for such men far exceeded the supply. M. A. Thomas was asked to take the position as acting dean; after further administrative discussion, it was decided to give Thomas the full responsibility of the dean's office, with the understanding that he was also to remain as head of the electrical engineering department. This change became effective September 1, 1947.

Three principal factors were at work after the war to change the status of the School of Engineering in the college community. First, large numbers of veteran students had received some technical training in the service, and many were motivated to choose engineering as their course of study in college. Two additional forces were the establishment and growth of White Sands Proving Ground (later White Sands Missile Range) and the Physical Science Laboratory, both established in 1946. These developments were very timely indeed, given the ever–increasing demand for engineering graduates during this period of time.

The Development of Curricula and Programs

The School of Engineering in 1947 offered curricula leading to the B.S. degree in chemical, civil, electrical, and mechanical engineering. Chemical engineering was offered by the combined department of chemistry and chemical engineering. Professor L. B. Shires was nominally in charge although Dr. A. D. Boston was head of the department. The other three curricula were offered by separate departments. Professor D. B. Jett continued as head of civil engineering as he had since 1933, and Professor A. M. Lukens was head of mechanical engineering.

A professional curriculum in agricultural engineering was organized and offered in the fall of 1948. This was jointly administered by the dean of engineering and the dean of agriculture.

Chemical engineering became a separate department on July 1, 1949. Professor Shires continued to turn out a small group of very well qualified graduates through the years. Accreditation of the curriculum was not attempted during Thomas's administration due to a shortage of staff and the lack of sufficient laboratory equipment. However, accreditation (by the American Institute of Chemical Engineers) was accomplished in 1967 when the new space in Jett Hall became available and a staff of four, all with Ph.D's, had been at work for several years.

Gradual changes occurred in each curriculum. The American Society for Engineering Education made several significant studies and proposals for curriculum development. The pressure to conform to

requirements of the accrediting agency, the Engineers Council for Professional Development (ECPD), caused considerable change. Many discussions and debates resulted between staff members as they struggled to work out the necessary compromises between their desires, the available courses in the institution, and ECPD's recommendations.

Although accreditation inspection activity was discontinued during the war years, 1941–46, the School of Engineering was re-inspected in the spring of 1950 for civil, electrical, and mechanical engineering. Regular inspections were made at five-year intervals, in 1955 and in 1960. An intermediate inspection was made of civil engineering in 1953. This department was deficient in staff and in laboratory facilities at the 1950 inspection, and it was given a provisional rating. A new department head, Professor Frank Bromilow, as well as new staff members and laboratory additions brought the 1955 rating to full accreditation, and this was maintained by all three main departments through the 1960 inspection.

The inspection and accreditation program of ECPD was a very useful and important factor in the development of the School. The preparation of the detailed reports before a committee's visit forced a review and self evaluation of the programs, while the comments of the committee members did a great deal to encourage the staff.

Graduate course offerings were begun in 1952 by electrical engineering which was authorized to offer the Master of Science in Electrical Engineering. Courses were offered in the evening and most of the students were employees of White Sands Proving Ground. In 1955, civil engineering and mechanical engineering began similar master's degree programs. These programs rapidly changed to largely daytime schedules, with several graduate assistants in each department. A graduate school was established in 1956 with Dr. Earl Walden as the first dean.

A Doctor of Science plan was approved in 1958 as a combined offering of mathematics, physics, and engineering. However, this was replaced in 1961 by the Doctor of Science in Engineering which was initiated in civil engineering, electrical engineering, and mechanical engineering. Thus, by the end of Thomas's administration the graduate program was firmly in place. About this time research and publications became important for faculty success and advancement.

Research and Extension

Some research studies in engineering were started as early as 1930, when the dean of engineering also was listed as director of the Engineering Experiment Station. Not until 1957, however, was any organized plan for the Experiment Station placed into operation. In that year, Professor Frank Bromilow was appointed associate director and a token allotment of state funds was made. Several sponsored projects, chiefly in civil engineering, were in progress during that year.

The growth of engineering research was slow at first, but by 1960 all departments were participating and the prospect for a rapid expansion seemed excellent. Two activities which may be classed as engineering extensions were the New Mexico State Highway Conference which was brought to this campus by Professor Frank Bromilow in 1955 and which has continued its annual meetings here, and the Water and Sewage Treatment Short Course which has been held every spring since 1956. Professor John Clark was the one responsible for this very successful activity.

Staffing

Securing adequate staff continued to be a problem throughout the Thomas Administration. Only one teacher in 1947, Dr. C. Donald Crosno, held a Ph.D. degree. At first, new teachers with master's degrees were gladly accepted, and it was only during the second half of the 1950–60 decade that the college became successful in attracting more faculty with doctorates.

Although there was a considerable turn over in staff, usually one or more each year, there were, fortunately, few changes in department heads. Professor Frank Bromilow became head of civil engineering in 1951, and Professor Harold Brown, head of electrical engineering in 1956. Professors Hanson, Shires, and Lukens continued as heads of agriculture, chemical, and mechanical engineering respectively. After about 1956, Professor Jesse P. Morgan served as assistant to the dean and also supervised the co-op program.

The number of engineering faculty in 1960-61 was thirty-six. Eight of these held a Ph.D. and nearly all of the others held a master's degree. This contrasts with the year 1947-48 when there were only fifteen on the engineering teaching staff, and only one of these had doctoral-level training.



James W. Field, voted "Most Popular Faculty Member" - 1957. (HHUA)



John Clark (1953-1979) in a civil engineering lab. (HHUA)

Student Enrollment

The peak of veteran enrollment occurred in the fall of 1947 when more than 500 students registered in engineering. Within two years, the high number of engineering graduates across the country was causing alarm; predictions in national magazines of job shortages for engineers caused enrollments to drop to one-half, nation-wide. At New Mexico A&M, only 249 engineers enrolled in 1951.

The Korean War caused a sudden dramatic demand for engineering graduates, and from 1951 on there was no shortage of jobs. By 1960, more than one hundred industrial companies and governmental agencies were sending representatives to the campus to recruit engineering graduates.

The co-op program and the renewed demand for engineering graduates caused a rapid increase in enrollment from 631 in the fall of 1953 to 1100 in the fall of 1956, after which there was a leveling-off period. At the end of the decade, about 1200 undergraduate students were enrolled in engineering.

The number of degrees granted also illustrates the growth of engineering. Prior to 1947, a total of 528 degrees had been granted. During the fourteen years from 1947 to August 1961, 1,171 bachelor's degrees and 62 master's degrees were granted. New Mexico State University*² was no longer classified as one of the smaller engineering colleges.

*NOTE: The name of the school had been changed by the Board of Regents to "New Mexico State University of Agriculture, Engineering and Science" on December 17, 1958. After approval of the voters in November 1960 and deletion of the last five words, the institution became New Mexico State University.



Jett Hall – built in 1957. (Hobson–Huntsinger University Archives)

Buildings and Equipment

The engineering activities in 1947 were centered mainly in what was called the engineering quadrangle. This group of buildings included Goddard Hall, with its annex completed in 1947 as a WPA project, the wood frame civil engineering building, the original adobe engineering building which was continued in use as a welding shop, the KOB transmitter building, and the mechanical engineering laboratory and heating plant. Chemical engineering was allowed to claim a few rooms and laboratories in the Science Hall.

The air mechanics building became available to mechanical engineering in 1948 and provided the first good addition to space for the development of new laboratories. This building had been built just before the war and had served for training a large number of people as aircraft engine mechanics. The two-year training programs, contrary to expectations, did not prove popular after the war and were discontinued. Thus the space and some useful equipment were assigned to mechanical engineering.

Agricultural engineering had constructed its own buildings in 1948. These were not of first-class quality and their location at the entrance of the campus was deplored by some university officials. The buildings served their purpose, however, until they were removed to permit construction of the large agricultural building in the early 1960s. New space for agricultural engineering was included in this building program.

Although plans for a new engineering building were started as early as 1952, it was not until the spring of 1957 that Jett Hall was completed and dedicated. The dean's office and the departments of civil engineering and mechanical engineering moved into the new building, leaving electrical engineering in Goddard Hall.

Air-conditioning of buildings on the campus commenced with the new Hadley Hall and the library building in 1953. A 1958 addition to Goddard Hall and considerable remodeling therefore gave electrical engineering good air-conditioned quarters. The cooling system was a source of frustration in 1960, when it broke down two days before the inspection visit of the ECPD committee in May, and did not work again for six weeks.

Chemical engineering took over all of the Science Hall in 1957, and thus for the first time had room for expansion. By 1960, plans for a large addition to Jett Hall were formulated; however, it was not until five years later that a contract was signed for construction.

At the end of Thomas's term as dean, much progress had been made in securing space and in the improvement of laboratory facilities. In addition to purchased equipment, a number of industrial corporations had assisted in making donations of equipment or by offering equipment at very substantial discounts in price. Among the dozen or more companies who gave valuable assistance were the General Electric Company and the Westinghouse Electric Corporation.

Surplus military equipment was secured to great advantage in some cases and less so in other cases. One example of the latter was a carload of unspecified electronic surplus material which the Physical Science Laboratory and electrical engineering were to share. After paying freight charges from Utah, it was discovered that the shipment consisted of odd parts for a tubular radio mast or antenna but that the parts therein could not be assembled into even one complete antenna!

The Sanitary Engineering Research Building was completed in 1959. This was the first (and only) building assigned completely to engineering research. It was built with a grant from the U. S. Department of Health with matching state funds, and was to be used for health-related research for at least ten years. (The building is still in use in 1989.) Professor John Clark was the director of this program.

The University Research Center, organized in 1959, had its own building soon after that time. Electrical engineering was the first engineering department to participate actively in this development with the appointment of Dr. Kaiser Kunz as research professor of electrical engineering in 1960.

Honorary Fraternities and Professional Societies

A local honorary fraternity in engineering, Mu Phi Pi, had been established in 1925. The requirements for admission were made similar to those of the national fraternity Sigma Tau, and in 1949 the members were finally successful in petitioning Sigma Tau to establish a chapter here. The Alpha Gamma Chapter of Sigma Tau was installed on May 22, 1949, and the first initiation group included forty students, two alumni, and three professors. The first president was William Harvey. The sponsor was D. B. "Dad" Jett, who had sponsored Mu Phi Pi most of the years since its origin.

Activities of Sigma Tau varied through the years depending on the ambition and ability of the officers, but were generally satisfactory and helpful to the college. Professor L. B. Shires became sponsor in 1956 upon the retirement of former Dean Jett, and continued as sponsor until his own retirement in 1964. Later, Sigma Tau became Tau Beta Pi.

Mechanical engineering students were successful in petitioning Pi Tau Sigma, and the Tau Delta Chapter of that national honorary fraternity was installed on April 13, 1950. Thirty-one students were initiated as charter members, with Bob Fox as president and Professor Glen Panlener as sponsor. Students in electrical engineering followed suit several years later with the installation of the Gamma Chi Chapter of Eta Kappa Nu on May 9, 1959. Professor Harold A. Brown was the first sponsor. Both of these groups have been quite active in their respective departments.

Student branches of national professional societies have been an important source of activity in all the engineering departments. In some cases, considerable financial aid is supplied by the national organization supporting student paper contests and district meetings as annual affairs. Many faculty members have served as sponsors of the groups, the names of which indicate the departments involved: The American Chemical Society (ACS), the American Society of Agricultural Engineers (ASAE), the American Society of Civil Engineers (ASCE), the American Institute of Electrical Engineers (AIEE), later to become the Institute of Electrical & Electronic Engineers (IEEE), and the American Society of Mechanical Engineers (ASME).

A student Engineers' Council was formed soon after 1950 to coordinate the activities of the several student organizations. It was made up of two representatives from each student branch and each honorary

fraternity. The chief duties of the council were to plan and carry out the engineering "mixer" in the fall and Engineers' Day, including the Engineers' Ball, in the spring.

Engineering students were active in many campus organizations and it should be noted that university student body presidents were frequently from the Engineering College. The quality of students studying engineering had much to do with this record, but the attitude of the teaching staff was also important. Definite efforts were made to emphasize the responsibility of the engineer to take his place in the community as well as taking part in professional activities.

In August of 1961, Dean Thomas turned over to Professor Frank Bromilow the leadership of the College of Engineering. Another milestone had been reached on a journey which had offered its travelers ever-increasing opportunities for growth. For Dean Bromilow, and others who would follow him, the road ahead promised more challenges and more rewards in the quest for excellence.

5 Coming of Age 1962–1987

Curricula and Programs

The greatest contribution Dean Frank Bromilow made to the engineering program at NMSU was to build a strong graduate program. M. A. Thomas had laid a good foundation; the departments of civil, electrical, and mechanical engineering offered both a master's degree and a Ph.D. by 1961. Bromilow realized that a strong professional faculty was a prerequisite for a solid graduate program and, although he did not have a doctorate himself, he began to hire people who did.¹

Dr. Narendra Gunaji in civil engineering, Dr. D. Bruce Wilson in chemical engineering and Dr. Frank Carden in electrical and computer engineering are all among the professors who were hired for the express purpose of developing and strengthening the program of graduate studies in their respective departments. Dr. C. Quentin Ford in mechanical engineering (recruited by Dean Thomas in 1959), was also given this charge. The first doctoral degree in engineering was awarded to Richard K. Fergin, a student of mechanical engineering, in June 1964.

Another important development which occurred early in Bromilow's administration was the establishment in 1963 of the Technical Institute, later to be called the Department of Engineering Technology. Professor Louis Kleine, associate professor of mechanical engineering, was appointed first department head of engineering technology and was charged with developing the programs in electronic, civil, and mechanical technology. "Always a pragmatist and devoted to engineering application, Dean Bromilow recognized the need to provide to New Mexico residents a means to enter the technological age even though they might not want or be able to attain an engineering education."²

Engineering technology initially offered only two-year associate degrees in the civil, mechanical, and electrical options. The first class of sixteen graduates received their degrees in 1965. In 1971, the program was expanded to offer a Bachelor of Science degree, and became the only four-year program in engineering technology in New Mexico.³ It was accredited four years later, the associate degree programs having been accredited in 1968.⁴

The early 1960s saw some important changes in the chemical engineering department as Dr. Edward Thode became head in 1963, and a Master of Science program was approved in 1966. Also significant was the department's first participation in the co-op program in 1964. Accreditation by the American Institute of Chemical Engineers was awarded following the inspection visit during the 1966–67 academic year.⁵

The first Bachelor of Science degree in industrial engineering was awarded in 1967 from the mechanical engineering department. Two years later, a separate department was formed, as Dr. Ford explains:

Dean Bromilow also recognized that New Mexico could not support separate programs in Nuclear and Industrial Engineering at each of the universities and he negotiated an agreement whereby UNM would provide Nuclear Engineering and NMSU would provide Industrial Engineering. Thus, in 1969, Dr. C.Q. Ford, Head of Mechanical Engineering, took what was an option in Mechanical Engineering and structured it into a new Department of Industrial Engineering. This was to be the last department formed up to the present time [1986].⁶

A master's program was established in industrial engineering in 1975.

There were several name changes during the period which reflected the evolving nature of the organizations. Electrical Engineering became Electrical and Computer Engineering in 1973 and the Engineering Experiment Station became the Engineering Research Center in 1982. Even the name of the accrediting agency was changed in 1980, as the Engineers Council for Professional Development (ECPD) became known as the Accrediting Board for Engineering and Technology (ABET).

Agricultural engineering, which had received its first five-year accreditation in 1965, lost its status as a separate department in 1986 when its affiliation with the College of Agriculture ceased. The program was moved into the civil engineering department. Another program housed in that department was geological engineering, which had first offered a bachelor's degree in 1972-73. Thus, with the move in 1986, the name of the department was expanded to Civil, Agricultural, and Geological Engineering.

Two programs born in the 1950s grew to have great significance for the College of Engineering: cooperative education and the Engineering Experiment Station (Engineering Research Center). Both have offered students educational opportunities which would not otherwise have been available. Co-op participants gain first-hand professional experience, often at locations around the world; and research activity benefits graduate and undergraduate students, both directly, through participation, and indirectly, through improved and current teaching.

The Interdisciplinary Doctoral (I. Doc.) program was instituted by the dean of the graduate school, W. H. Matchett, to serve students whose interests and career goals are not met adequately by degree programs in the traditional disciplines, but which can be met by judicious combinations of existing disciplines. Chemical engineering students Stan Holbrook and Bruce A. Barna were among the first to take advantage of this opportunity; Barna received the first I. Doc. degree in 1984.⁷

Faculty and Administration

The transition in 1961 from the Thomas administration to that of Frank Bromilow was no doubt made smoother by the presence of Jesse P. Morgan, a civil engineer who had been at the university since 1948. Morgan served as assistant dean for one year under Thomas, and was assistant to Dean Bromilow until 1968-69. Of particular interest to New Mexico residents is the fact that Jesse Morgan was responsible for building the tunnel between Alamogordo and Cloudcroft.⁸



An early computer in the Engineering College – 1963. (Hobson-Huntsinger University Archives)



Honeycomb solar collector – 1976 (HHUA)

The faculty in 1963–64 was already beginning to show the results of the efforts of Deans Thomas and Bromilow toward professionalism. Of forty-nine faculty members, thirteen had earned doctorates, and twenty-two were registered professional engineers.⁹

Roger M. Zimmerman took over Morgan's post in 1968 and served as assistant dean for about six years. When Frank Bromilow died unexpectedly in 1974, Zimmerman became acting dean while a search was conducted to fill the position.

John Hernandez, who had come to NMSU in 1965, had taken a sabbatical leave in 1973 to go to Turkey and work with environmental engineers there. When he returned two years later, he was made dean of the College of Engineering. C. Quentin Ford was named associate dean. Hernandez points out that since Milton became president in 1938, there had been only three deans: Jett, Thomas, and Bromilow; therefore, these years represented a "relatively long and very stable" period of growth.¹⁰

Hernandez had stated at the beginning of his term that he would hold the position for five years,¹¹ so in 1980 a search committee again began seeking a new dean. In the catalog published in June 1980, Dr. Ford is listed as the interim dean, while George W. Lucky (from electrical engineering) is shown to be the interim associate dean.

Ford guided the college from July 1, 1980, until July 1, 1981; at that time Joseph Genin, a mechanical engineer, was hired to fill the deanship, and Dr. Ford resumed his duties as associate dean. In January 1981, John Hernandez went to Washington, D. C., to become the Deputy Administrator of the U. S. Environmental Protection Agency. When he returned two and a half years later, he found full-time teaching to be almost like a new experience. Hernandez credits Dean Genin with offering suggestions which proved to be quite helpful in improving his teaching style.¹²

John Patton, head of chemical engineering when Genin became dean, has also commented on Genin's ability to give sound advice: "Encouragement and enlightened counsel offered by Joe Genin. . . altered the Department's rebuilding philosophy."¹³

Genin returned to teaching July 1, 1985, and in the fall, J. Derald Morgan came to NMSU from the University of Missouri–Rolla to assume the deanship of the college. Called "flexible, gutsy, aggressive, a leader and idea man," Dean Morgan is proving himself very capable of guiding the College of Engineering into its "second century of excellence."

Enrollment

Increases and decreases in engineering enrollments have been cyclical in nature, and have followed national trends and concerns. Dr. Ford notes with interest the fluctuations he has observed in the last forty years.¹⁴ Right after the war, he explains, engineering enrollments went up quite high as veterans had seen the need for technology during the war. The year 1950 saw the greatest number of engineering degrees granted until about 1980. Enrollments then declined until the Sputnik period, about 1958–59. Interest in engineering and science became greater again and the enrollment cycled back up until about 1966–67.

When interest waned in the early 1970s, the result was the period of lowest enrollment in the College since the mid-1950s. In 1973, the enrollment "bottomed out" at just over 1,000 students in engineering; tenured faculty were asked to leave.¹⁵ Then, once again, enrollment started back up and peaked about 1981–82, with some 2,600 students in engineering – 2 1/2 times the 1973 figure.

Although enrollment is presently on a downswing, decreasing at the rate of about 4 percent a year, Dr. Ford does not find this worrisome. Engineering continues to attract good students, and though the numbers may continue to decrease for a few years, he knows the reverse will soon be true. It's just a matter of riding the wave: "We work like mad and handle the high points, and then we relax and recoup in the low points."¹⁶

Some of the credit for the high enrollment figures of the early 1980s must be given to Dr. John Hernandez, who, as dean, set out on a "vigorous recruiting effort" which proved to be quite successful.¹⁷ Hernandez particularly sought minority students – Hispanics, Blacks, Native Americans, and women. He found money in industry and government for tuition scholarships and, with a National Science Foundation



Goddard Hall and Bromilow Mall, late 1970s.
(Hobson-Huntsinger University Archives)

grant, helped establish the Southwest Center for Science and Engineering, aimed at high school minority students.¹⁸

In 1963–64, there were 4,250 students enrolled at NMSU. Of this number, 1,271, or approximately 30 percent, were engineering students.¹⁹ At the beginning of the spring 1988 semester, the university enrollment was 13,265, and the number of engineers totalled 2,303 undergraduates and 147 graduate students.²⁰

Facilities

An addition to Jett Hall was completed in 1966, and the chemical engineering department moved into that portion which had been designed for it. Thomas–Brown Hall became the home of the electrical engineering department in 1972, and both engineering technology and industrial engineering moved into Goddard Hall. In 1980, the Engineering Complex was completed. It is a modern–looking building which, besides housing the Solar Energy Institute, is primarily used as laboratory space for all the engineering departments except electrical and computer engineering and chemical engineering. In 1982, the College of Agriculture’s dairy laboratory was remodeled and renamed the Engineering Technology Annex.

Facilities for agricultural engineering changed several times during this period. The Quonset huts gave way to the new Agriculture Building in 1964; space here was supplemented by the construction of an agricultural engineering laboratory building two years later. When Knox Hall was built in 1981, the department moved its offices to it from the Agriculture Building. Since 1986, agricultural engineering has been a part of the civil engineering department, and continues to use some of the facilities of the College of Agriculture. A new building, Engineering Complex II, has just been completed to serve the department of civil, agricultural, and geological engineering.

Women in Engineering

The distinction of being the first woman engineering graduate of the New Mexico College of Agriculture and Mechanic Arts belongs to Elizabeth Elser McCallum, who earned a degree in civil engineering in 1934. The 1942 *Swastika* included this comment: “Engineers, the boys (and two girls this



Engineering Complex I, built in 1980. (Photo by Information Services)

year, as well). . . spend most of their time in chemistry, electrical engineering or steam labs, when they're not surveying the campus or the mesa."

Engineering as a career choice for women has developed significantly in the last ten to fifteen years. As Dr. George Abernathy explains, "The engineering profession is a thinking profession rather than a physical profession; women could have done it all along. Culturally, we didn't know that, didn't encourage them to do that."²¹ He adds, though, that women probably have better job opportunities than men, because companies are trying to correct the long-standing imbalance.

John Hernandez points out that one of the problems women have that men don't is the lack of role models; therefore, it is hard for them to see themselves in engineering jobs. Women do well in the profession, so he feels that situation will be improved in time.²²

Presently, the department with the highest number of female students, about 150,²³ is electrical and computer engineering, the largest department. In terms of percentages however, industrial engineering is the leader, with women making up 30–45 percent of that department's total enrollment.²⁴ The agricultural engineering program has had some outstanding female graduates, including Katy Byrd-Humphries,²⁵ first woman president of the New Mexico Society of Professional Engineers.

On The Lighter Side

One of the qualities essential to greatness – whether of a man or of an institution – is humor, and there are, of course, many incidents and occasions which the faculty and students of NMSU can remember with pleasure, light-hearted moments which add color to the fabric of the college experience.

One such incident has been recounted by engineering technology's department head emeritus Louis Kleine.²⁶ It concerns Evem Wall, who was a student in Professor Kleine's thermodynamics class in 1957. Wall received two degrees from New Mexico State University, a B.S. in electrical engineering in 1957 and an honorary doctorate in 1984. He began working with El Paso Electric Company while a student in 1953, and progressed to become president of the company. He is presently Chairman of the Board and Chief Executive Officer, and was named NMSU College of Engineering Distinguished Alumnus in 1976.

But on the Saturday morning when Professor Kleine was giving his two-hour thermodynamics final exam, Evem Wall wasn't feeling too well. He had been to a party the night before and he didn't really feel



Engineers' Week (late 1960s) – Pie Eating Contest. (Hobson-Huntsinger University Archives)



Engineers' Week (late 1960s) – Slide Rule Contest. (Photo courtesy of IEEE student branch)

up to taking a final exam. Without any mention of this fact, he took a seat in the back row and spread his test papers out in front of him.

As the period drew to a close, another student, who had done very well all semester, handed in his paper and started to leave. Professor Kleine (who says he never did particularly like to grade papers) whispered to the student, "How would you like for me to flip a coin for your grade – 80 or 90?" The student said, "No, I think I did better than a 90; I want you to grade it." Professor Kleine laughed and agreed.

Evern Wall heard this exchange, even though he was sitting in the back, so when he turned in his exam, folded and with his name on the outside, he asked, "How about me, Prof? I heard you."

"What did you hear?" Kleine asked.

"I heard you offer to flip him a coin. Won't you flip me a coin?"

Kleine says that Evern was "squeaking by" in that course, which was a mechanical engineering course required of all engineering majors. It wasn't from lack of ability; Evern was "stretched out" that last semester and was putting more of his effort into electrical engineering courses which were his major. But, Kleine emphasizes, "he was a very likeable fellow."

So Professor Kleine said, "Okay, I'll flip you – 70 or 0!"

Evern said, "Flip it."

Kleine said, "You're going to call it?" and Evern said yes.

So the professor flipped a coin, and Evern called it correctly. "Okay," Professor Kleine said, "you've got at least a 70. I'll grade it to see if you got a better grade than that, but you've got at least a 70."

When Professor Kleine was grading the papers later, he found that Evern Wall had handed in four blank sheets of paper; the only writing was his name on the outside! As Professor Kleine says, "Evern could not lose on that flip!"

It's not the usual way of grading, but the story has provided lots of laughs over the years.

Grades were the subject, too, of an incident recalled by Mack Haley (B.S., 1966).²⁷ According to Haley, it was hard to get an *A* from Professor James Field, who taught mechanical engineering shop courses. Even though Mack thought his work was above average, he had received a *C* at the end of the first semester class. During the second semester, students were assigned the task of making a screw jack. Mack got an *A* on this project, and since he had a 93 average in class, he asked Field if he deserved a *B*. Professor Field considered for a moment and then declared magnanimously, "Yes, you do deserve a *B*!"

Another story about Professor Jimmy Field concerns his demonstration of a turret lathe. The machine could perform several functions in a sequence, but the operations had to be changed manually. One student

apparently could not see the need for this particular bit of education and asked the professor if there weren't machines which could perform the process automatically. "Hell, yes," Field replied, "but a punk like you couldn't turn one of those machines on!"²⁸

Of course, faculty members can tell funny stories about students, too. George Alexander, head of the engineering technology department, remembers the time a student called to say that he wouldn't be able to come to class because the results of his examination for strep throat were "negative." And on a grander scale, if not more humorous, Dr. Alexander recalled he loaned a "starving student" \$300 to pay for groceries and rent, only to learn that the student and his girlfriend used the money to enjoy Spring Break in Mazatlan!²⁹

Engineering technology professors were, in fact, able to recall several amusing incidents. Professor Louis Kleine, being an avid pipe smoker for many years, discovered on more than one occasion that his tobacco contained chopped rubber bands. "Another time he received a bill from *Playboy* magazine for two gift subscriptions. Possibly a student had thought that Professor Kleine wanted the president of the university and the registrar to receive additional reading material."³⁰

Professor Herrol Skidmore contributed this humorous fact: "Students in engineering technology have developed an award for the professor who piles it on the deepest. The plaque has a large cow chip on it that has been sprayed with gold paint. This is an annual award."³¹

Paul Finch, professor of industrial engineering, tells of coming to NMSU after a career in industry to teach computer simulation, a subject in which he is well qualified. During a random sampling of student opinion in the College of Engineering, one student commented, "Finch doesn't know anything about simulation and certainly shouldn't be teaching a course in it." Six years later, Finch received the Bromilow Award for excellence in teaching.³² Perhaps it is true that "he who laughs last, laughs best"!

6 Beginning a Second Century of Excellence, 1988–

The First 100 Years in Perspective

As engineering education at New Mexico State University enters its second century, it seems an appropriate time to reflect upon the College's progress in the past, assess its merits in the present and examine its goals for the future.

For George Abernathy, the institution's changing from New Mexico College of Agriculture and Mechanic Arts to New Mexico State University was a move "into this century." He says, "When I came in 1957, we were a small, predominantly agricultural school. . . . We built a university that was consistent for the people of New Mexico to send their sons and daughters to school and get a good, solid foundation at an excellent institution. . . . I think we've gone from a cow-college to a full-fledged university. We may not be the best in the world, but we're very good for the amount of dollars we cost the state."¹

In an effort to determine the forces which have shaped the College of Engineering, professors who have been at NMSU ten years or more were asked to respond to questions regarding significant changes and developments, persons of influence, and areas of strength.²



Engineering Complex II – completed in early 1989. (Photo by Information Services)

According to a number of responses, the source of greatest change has been the impact of computers. Frank Carden says, "Computers have changed our way of life – our way of teaching, our way of solving problems, our way of communicating." Quentin Ford agrees; what computers have done, in his opinion, is to provide "greater opportunities to do types of problems, get solutions that we were not able to before." The computer has opened up vistas that before were only dreamed about.

Other responses reflect similar views. To Satish Kamat, the "explosion of computer resources" is one of the most significant developments in recent years. Raymond Willem points to the "use of the computer to solve an increasing number of engineering problems; also the development in capacity to do computation." "Increases in computer power and reduction in size, energy requirements and cost of computers" were factors mentioned by Javin Taylor. Paul Finch explained that greater computing power included "equipment, software, network [capabilities] on campus and off."

The computer has taken the place of the slide rule. This would have seemed highly unlikely to engineers of earlier days. Consider, for example, this statement from the 1942 *Swastika*: "An engineer can easily be identified by his slide rule. A soldier without a gun is not in as horrible a predicament as an engineer without his 'slip stick,' and critics in the other schools accuse the technicians of carrying their brains in their hip pockets."

In addition to computerization, the most readily apparent changes have resulted from growth: higher enrollments, more and better facilities, a broader curriculum in some areas, and increased funding for research and equipment. Frank Carden has pointed out that the establishment of graduate programs has allowed NMSU to compete with other nationally recognized universities on the east and west coasts.

Greatly increased research capabilities have also added to the status and prestige of the Engineering College. Narendra Gunaji believes that its accomplishments may be recognized by the uses and ramifications of the research work done here, and by the fact that government or private industry then "sees fit to elevate our graduates to high levels of responsibility."

The Cooperative Education Program has given NMSU graduates the experience that employers are seeking, so when Maurice Hamilton was asked about the most important development, he named the co-op program. "In terms of engineering education, that's it."

Specific program developments of significance include the Bachelor of Science in Engineering Technology, the Master of Science in Manufacturing Engineering from the industrial engineering department, as well as that department's televised instruction. Ray Willem points out that "a very solid beginning has been made" in optics, and J. Eldon Steelman mentions the increased enrollment of women students.

Not all the changes have been positive; one respondent referred to the greatly diminished interest and activity in solar research, and another commented on the loss of camaraderie which comes with increased size.

When engineering professors were asked to name those persons who had had the greatest influence on them, the list that resulted looks like a "Who's Who in Engineering at NMSU." "Dad" Jett, Hugh Milton, and M. A. Thomas were mentioned, as were Deans J. Derald Morgan and C. Quentin Ford, Professors Frank Carden, Jim Field, Gerald Flachs, Arch Lukens, John Clark, Bill Fleming, Louis Kleine, and George Lucky. William Kersting, Javin Taylor, and Gerald Flachs were praised by a colleague who said, "I think those guys are as good as you get." Some who have been specially recognized for their teaching skills are Westhafer Award recipients Bill Kersting of EE and Leonard Traina of CE; Bromilow Award recipients Jesse Lunsford, Bill McCarthy, and Leonard Traina of CE, Paul Finch of IE, Eldon Steelman of EE, and Bruce Wilson of Ch E; and Donald B. Roush Award recipient Mary Ann Maher of IE.

The inclusion of former Vice-President William B. O'Donnell, mathematics professor Earl Walden, Jim Hageman and Dale Alexander from the chemistry department, and Joe Denk from the Computer Center illustrates the fact that engineering is a part of the total university community.

Looking Toward the Future

Any plans for future progress and direction must be built upon the present strengths of an organization. It is precisely this fact that engenders optimism when contemplating the prospects for the College of Engineering.

Associate Dean Ford has very eloquently described the solid foundation on which tomorrow's programs and activities will be based. As he puts it, the College has maintained a high level of technological development and current, strong curricula. It has been active in new areas of research, and has been very successful in recruiting outstanding faculty, particularly some young, very dynamic people. "We have maintained an academic ethic; . . . the school has always been known as a friendly, professional type of school, and I think we have maintained that image well – that's something I'm very proud of." He mentions the fact that this engineering program was one of the first to be accredited, and has maintained a good, solid position. Ford states also that the College has stayed "in the forefront of science and technology."³

But although each of these factors contributes to the success of the whole, the College of Engineering is, first of all, the people – administrators, faculty, and students – who have given, and continue to give support in countless ways. The real strengths of the College, as evidenced by these statements by engineering professors, are: "faculty members that enjoy teaching and administration that values it," "availability of faculty to interact with students," "strong emphasis on undergraduate teaching," "bona fide concern for the student," "quality teaching," "outstanding atmosphere and attitude of faculty and students," "dedicated faculty," "fundamental undergraduate curriculum," and "outstanding students."

The size of the school is also a positive factor: "smaller program size allows faculty to pay individual attention to the students"; "technically competent, small, personal"; "size has not become overwhelming; classes still manageable."

Thus, the College has a solid foundation on which to build its future. Associate Dean Ford anticipates no radical changes, but rather "a continual strengthening and enhancement of what we do have."⁴ That statement could refer to the doctoral programs in chemical engineering and industrial engineering effected in 1988 and '89 respectively, or to the construction of Engineering Complex II, a building which will be used primarily by civil engineering.

Herrol (Jim) Skidmore notes that "rapidly expanding technology has caused a continuous relearning process to become necessary." To Dean Morgan, it is the momentum of this process which will influence the College in the future. He envisions that, by the year 2000, companies will be very dynamic. As companies change, he says,

this will affect the way in which people will have to address their lifetime of work. . . . What you're doing, how you're doing it may turn over three, four, five times in a lifetime of forty or fifty years of working. . . and therefore, the ability to have access to continued education and refreshment of your talents and capabilities is going to become more and more important. . . . The College of Engineering at New Mexico State University should be a part of that force, a part of providing the people of New Mexico – anywhere in New Mexico – the opportunity to be a dynamic part of the changes of the work force and to maintain their competence.⁵

The College has already begun to address this need by establishing off-campus graduate programs at Kirtland Air Force Base, Clovis, and Carlsbad.⁶

When Quentin Ford was asked recently what makes a good engineer, he named these qualities: someone who is curious, who has a certain amount of entrepreneurship, and who is not afraid to take chances; someone who has an understanding, or rather, a lack of fear of science and mathematics, and an interest in the economic standards of living. Engineers have to be people-oriented. "We can take the theories of science, the laws of mathematics and apply these to real everyday life."⁷

John Hernandez would add some more requirements for the engineers of the future. "I think we need to insure, as time goes on, that we instill in these students the need to prepare themselves to be managers, to be administrators of engineering activities." Engineering graduates must be articulate, able to think logically and express themselves well.⁸

The following statements are found in a brochure published by the College of Engineering: “Engineering is the conversion of ideas into reality. . . . Engineers are the people who imagine, research, design, and create. . . . For centuries, through the science of engineering, major contributions have been made toward a better quality of life and toward the accomplishments of today’s high-tech world.”

As engineering at New Mexico State University moves into its second century of helping students change ideas into reality, it does so supported by the dreams and hard work of all who have gone before, and guided by the vision of today’s leaders. The future for the College of Engineering looks very bright indeed.

**DEANS OF ENGINEERING
1914 - Present**



**Arthur F. Barnes
1914-1920***



**Ralph W. Goddard
1920-1929***



**James T. Rood
1930-1932***



**Burton P. Fleming
1932-1934***



**Hugh M. Milton
1935-1938***



**Daniel B. Jett
1938-1947***



**Melvin A. Thomas
1947-1961***



**Frank Bromilow
1961-1974***



**John Hernandez
1975-1980**



**C. Quentin Ford
1980-1981**



**Joseph Genin
1981-1985**



**J. Derald Morgan
1985 - Present**

** Photos courtesy of Hobson-Huntsinger University Archives.*

***Departments
of the
College of Engineering***

7 Agricultural Engineering

Although all the engineering departments share the same basic philosophy, there is in the history and development of each department something which differentiates it from the others. Agricultural engineering is distinguished by the fact that it was jointly administered by the College of Engineering and the College of Agriculture until it was discontinued as a separate department in 1986. Although the funds for research came through the Agricultural Experiment Station, the academic responsibility has always resided in the College of Engineering for accreditation purposes.

M. A. Thomas points out that “the departments of Agricultural Engineering and of Physics were part of the School of Engineering for many years.”¹ (Agricultural engineering was established by 1919, C. Q. Ford explains, with an option available in irrigation engineering.)² Thomas continues, “Degrees were not offered in these fields, however, and they operated only as service departments. The work in Agricultural Engineering was discontinued in the late 1920s [early 1930s] and the department of Physics was transferred to the School of Arts and Sciences.”³

In 1948, agricultural engineering was once again established as a department, and Charles Bourns was named head. The three faculty members originally assigned to the department were Bourns, Alvin Stewart, and Zariel Tyson. When, after several years, these three men left the school for different reasons, Eldon Hanson became department head. Hanson was a United States Department of Agriculture employee stationed at the college. He administered the department from 1951 until his retirement in 1979, and during this period made “monumental” contributions in the research of water consumption.⁴



Exhibit at Dona Ana County Fair, October 6–9, 1926. (Hobson–Huntsinger University Archives)

Agricultural engineering has a dual nature, as represented by its name. According to George Abernathy, who took over as department head in 1980, an agricultural engineer has to have the understanding of both a civil engineer and an agronomist. For that reason, it shouldn't be surprising that the "Father" of agricultural engineering at NM A&M was an agronomist, Albert S. Curry. Acting director and associate director of the Agricultural Experiment Station from 1945 to 1963, Curry was, more than anyone else, responsible for starting the agricultural engineering program. He had done a great deal of research on water utilization by plants, and his files and equipment became the nucleus of the new department.

Ag engineering courses, dealing with subjects such as farm machinery and irrigation and drainage, were taught to students from both the schools of Agriculture and Engineering. However, the courses were different for the two groups. Engineering students received more math and science in preparation for designing an irrigation and drainage system, for example.

The perspective of agricultural engineering also differs somewhat from that of civil engineering. Both disciplines deal with structures and environments, and the many aspects of treatment, control, and use of water. Irrigation and drainage is an especially important subject to both groups, and Dr. Abernathy explains the difference in approach between ag engineering and civil engineering:

The civils would take more of a large-scale view of irrigation, the design of something like Elephant Butte Irrigation District – the dam, and all the big ditches. . . . Ag engineers take the water after it comes onto the farm, so we'd be designing conveyance ditches, but they would generally be smaller conveyance ditches than civils would design. . . . We're more interested in the soil/water/plant relationships. . . and matching crops to the water supply. Civil does publish some papers in that area, but generally ag engineering is stronger on farm irrigation where civil is stronger in the large-scale irrigation developments. Actually, it should be a partnership between the two of them to work out a system that goes all the way from the water source to the farm.

The reason for agricultural engineering's distinctive nature was also the cause of its demise as a separate department in 1986. The program had always been supported by the College of Agriculture through the Agricultural Experiment Station. Agriculture has (state) appropriated research funds, whereas the College of Engineering relies on contract agencies for research money. When, in 1986, there was perceived to be a large cut in the appropriations for the Experiment Station, the College of Agriculture administrators decided that, instead of reducing everyone's funds, they would simply terminate one program – agricultural engineering. So, in July 1986, affiliation with the College of Agriculture ceased and the program was moved to the civil engineering department, which is now called "Civil, Agricultural, and Geological Engineering [CAGE]."

Although the department did not develop a graduate program because of the small number of undergraduates, it was well known as a supplier of graduate students. Dr. Abernathy says he "almost had a waiting slot at Texas A&M" anytime a worthy student wanted to work on a master's degree. He also worked with graduate students in the civil and mechanical engineering departments, and from the College of Agriculture. Now, one of the advantages of housing the program in the civil engineering department is that ag engineering students can earn a master's degree (in civil engineering); Abernathy sees this as a big improvement.

The enrollment of the agricultural engineering department fluctuated over the years, once or twice reaching a high of around fifty students, but generally averaging about twenty-five. The job market is always an important factor. Therefore, the number of foreign students has been consistently high, reflecting the importance of agriculture internationally, with prospects of employment more favorable than those represented by the domestic job market.

Although the number of students in ag engineering has been small, there have been some really good students. Calvin Parnell, for example, was an outstanding graduate; he is now on the faculty of Texas A&M. Katy Byrd-Humphreys, one of the first women to graduate in agricultural engineering, now holds an office in the New Mexico Society of Professional Engineers. She supervises construction on retention dams near Clovis and, according to Abernathy, "she has to deal with the toughest old contractors you've ever



Dr. H. R. Stucky and Eldon Hanson observe graph readings on a water stage recorder – 1962. (HHUA)

seen. She said that when she was pregnant, she looked very much like the people she was working with!” Ag engineering really has not had very many women students in comparison with the other engineering departments. At this time (1988), there are three women in the program.

Accrediting of the dually administered department began in the mid-1960s and has always been done through the College of Engineering. ABET, the engineering accrediting agency, accredits programs rather than departments, so there was no discontinuity when agricultural engineering moved to the civil engineering department. Indeed, the program’s position is stronger now, as ABET recommends that students be able to take classes from five professors, and the late department’s faculty had been reduced to three.

Although ag engineering students have participated in the co-op program, this work-study format has not held the role of prominence which it holds for other branches of engineering education, primarily because of the lack of large employers. The most active cooperative arrangement has been with the USDA Cotton Ginning Research Laboratory at Mesilla Park, which takes one or two co-op students a semester. One student went to the John Deere Company, and a large number of ag engineering students co-op at PSL (Physical Science Laboratory), although they’re not getting agricultural engineering experience. During the summer months, ag engineering students can work with the Soil Conservation Service and the Bureau of Land Management.

During the mid-1970s, some of the best job opportunities for engineers were with the oil well service companies. Although this work was not related to agriculture, companies such as Halliburton and Schlumberger really enjoyed working with agricultural engineers because, as Abernathy puts it, “generally our engineers were from either small communities or farms and the fellows were just used to working hard, and long hours, and didn’t mind being outside and getting dirty. . . and they are good equipment operators.” Abernathy’s observations, in fact, are similar to the opinions expressed by others regarding the desirability of employing NMSU co-op students and graduates. Because of their background, they do tend to be hardworking, independent, and self-motivated.

Agricultural engineering has made some significant contributions, many of which are not widely known. For example, Eldon Hanson and Boyce Williams did pioneering work in drip irrigation in the 1960s, probably earlier than the Israelis, who were the first to exploit it commercially. Ag engineers were able to show cotton farmers that cotton could be picked without the use of a defoliant, thus saving quite a bit of money, and early research demonstrated that farmers probably were (and are) doing more plowing than is really necessary, although this work has not been utilized as well as it could have been.

Early facilities for the agricultural engineering program consisted of two Quonset huts, located right at the entrance to the campus where the Ag Building now stands; these had to be moved in 1964 to make room for the new building. For a year or two, ag engineering had to “jump from place to place.” The completion of the Ag Building was a boon in two ways: 1) it provided new quarters for the young department; and 2) it had not cost as much to build as had been anticipated. With the “left-over” funds, an ag engineering laboratory building in which classes would be held for the next fifteen years was constructed behind the Ag Building. When Knox Hall was built in 1981, the ag engineering offices and some small labs were moved there from the Ag Building. This combination – Knox Hall and the Ag Engineering Building – constituted the best facilities the department had had.

George Abernathy is one of a number of professors who can describe New Mexico A&M from a student’s point of view. He came to the school in 1948, the year ag engineering was started, and immediately recognized the field as one which was ideal for him. A story he tells with some enjoyment concerns those early days. Behind the two Quonset huts (which he helped to build), was a hydraulics lab. Abernathy was out one Saturday afternoon, plowing around with an old grader, and cut a main water line. Since his father was a plumber, he knew what to do. He went to town, bought a Dressler coupling, and fixed the water line. He says, “Eldon Hanson always remembered that this student was able to do that by himself – to get the water connected without calling him. I think that’s why he called me for the job in 1957!”

8 Chemical Engineering

In 1924, when the Board of Regents decided to institute a curriculum in chemical engineering, that field was the youngest of the major branches of engineering.¹ The American Institute of Chemical Engineers had been formed in 1908, and assumed the role of accreditation of chemical engineering curricula in 1926. The rationale presented by Dean Goddard for establishing the curriculum at NMCA & MA was no doubt based on the need for qualified engineers by the agricultural chemical industry, the mining industry, and by oil and gas production and refining.

The first assistant professor of chemical engineering arrived on campus in 1926. Luke Berry Shires, who had just completed his M.S.Ch.E. degree at Penn State, was the first chemical engineering faculty member to be found in the vast area of the desert Southwest, literally the only one between Austin, Texas, and Pasadena, California. "Prof Shires," as he was known to his colleagues, was an individual very much concerned about the well-being of others, students and faculty alike, and was widely admired by undergraduates and alumni. "Demanding, but compassionate," was the common description of his relations with students. Despite the meager resources with which he had to work, his students received a first-class education which provided a strong foundation for their professional careers.

Upon arrival, Professor Shires was assigned space in the Science Hall, which was to remain the home of the chemical engineering program until 1966. Although combined with chemistry, the chemical engineering curriculum was administered by the School of Engineering from the beginning. The early curriculum followed the industrial chemistry model; however, the 1930s saw changes in the curriculum brought about by an emphasis in the leading universities upon the unit operations and unit processes concepts, thus giving greater importance to engineering than to industrial chemistry. The institution followed suit with a bona fide unit operations laboratory course.

The war years brought a halt to instruction, but the postwar period was characterized by an expanding student population and changing curricular demands. In 1949, a new chemical engineering department was formed, with Professor Luke B. Shires as the first department head. For over a decade there were only two faculty members in the department. With the arrival of Dr. Dinwiddie C. Reams in 1956, to fill the second faculty position, research was added as a vital component of the chemical engineering curriculum.

Funds for modernizing the laboratory equipment were very scarce in all the engineering departments. This deficit, plus the small size of the faculty and the deteriorating physical plant, rendered accreditation impossible, thus making it difficult to retain qualified faculty.

In 1961, Professor Shires asked to retire the next year. Although the university administration seriously considered abandoning the curriculum, it was decided instead to allocate sufficient funds for upgrading it to accreditable status.

Professor Shires recruited his own replacement in the person of Dr. Edward F. Thode. The two men had met in 1948 and had maintained correspondence over the years. One condition of Dr. Thode's move to NMSU was that Shires remain for one year as professor after Thode became head, in order to assist with the transition.



Luke B. Shires – 1926. (HHUA)



Fermenting lab – 1988.

Dr. Thode (Sc.D., MIT) assumed his new position in September 1963 and renewal of the department began in earnest. The faculty was expanded rapidly, as four professors with doctorates, one of whom was Donald Bruce Wilson, were hired in the next four years. It was essential that the physical facilities be improved, since the department could delay no longer in installing modernized equipment and in making room for a growing student body. The Science Hall had to be renovated. Realignment of the interior space was not easily accomplished in the old building. Once Professor Thode asked Dean Bromilow if a door which was nailed and blocked shut could be unblocked to permit easier flow of student traffic to a laboratory. Dean Bromilow gazed reflectively at a long diagonal crack in the brick wall and responded, “You had better not. That door is holding the wall up!”

An objective of Dr. Thode’s which held high priority was establishing co-op opportunities for chemical engineering majors. The first co-op program established for these students was a “first” in another way: Los Alamos National Laboratory had never employed undergraduate co-op students before its arrangement with the university in 1964–65. Within five years, over twenty NMSU chemical engineering students were working at various industrial and government facilities.

A requisite for a stable undergraduate program is the presence of a graduate program. A Master of Science degree in chemical engineering was approved in the late fall of 1965, and the M.S. program began in 1966.

Beginning in 1964, the department submitted a series of proposals to the National Science Foundation for undergraduate equipment grants. These proposals were successful. Also in 1964, Dr. Thode worked with Dean Bromilow in designing the portion of the Jett Hall addition to be allocated to chemical engineering. The department moved into facilities which were modern and spacious, although not yet fully equipped, in September 1966. At this point the requisites for accreditation – competent faculty, good facilities, and a strong curriculum – had been met. Accreditation was awarded in the 1966–67 academic year.

In 1970, engineering enrollments began a four-year “down cycle” which resulted in an administrative decision in 1974 to reduce the chemical engineering faculty from five to four. Rather than participate in a decision to terminate one of his tenured colleagues, Dr. Thode resigned as department head and transferred to the department of management, in the College of Business Administration and Economics.

The years following Dr. Thode’s departure were not easy ones for chemical engineering. The curriculum suffered, and accreditation problems soon followed. Because of the internal strife and resulting resignations, the department’s accreditation was reduced from six to two years.

Dean John Hernandez, who had replaced Dean Bromilow, initiated a search for a new head and, during the interim, appointed Associate Dean C. Q. Ford as acting head. After many months, the search committee recommended that Professor John T. Patton (Ph.D. 1959, Oklahoma State) be hired as the permanent head. Arriving in Las Cruces in June of 1977, Dr. Patton immediately faced the problem of rebuilding the faculty and curriculum to accreditable stature.

In rapid succession, three recent Ph.D. graduates were hired to bolster the faculty resources. They were ably assisted by two retirees, Herb Minter and Ed Groth, both of whom had distinguished industrial careers. Through their mature counsel and dedicated effort, these two men contributed significantly to the department.

The careers of the three young faculty members failed to mature as fast as each had hoped. One by one, they left the department so that by 1980 the department was again faced with a rebuilding chore. Following the wise counsel of Joe Genin, who had become dean in 1980, the department decided to recruit more mature, established professors. In the next eighteen months, four outstanding professionals had joined the chemical engineering faculty: Dr. K. H. McCorkle, Dr. Allen Rakow, Dr. Richard Long, and Dr. Rudi Roubicek.

Dr. Roubicek, a distinguished, world-recognized authority in biochemical engineering, provided much valuable research leadership. With almost no university assistance he established the Biotechnology Center of Excellence, later renamed the Center for Biochemical Engineering Research. His capacity for coping with adversity was demonstrated by his establishing a bioengineering laboratory on the roof of Jett Hall when conventional space was unavailable! It is hoped that royalty income from his invention of the Roubicek cone fermenter can make a major contribution to biochemical engineering research at NMSU in the years ahead.

The outstanding quality of chemical engineering students and graduates became evident as they assumed positions of leadership and received College and university honors. Even in lean years, the chemical engineering enrollment was of the highest caliber. In 1980, as the number of quality students increased, the department continued to strengthen.

Undergraduate enrollment grew at a rate of approximately 10 percent per year from 1977 through 1981, when it peaked at an all-time high of 230 students. Graduate enrollment grew from three in 1977 to twenty-four in 1981. This growth could not be sustained indefinitely, of course. As both internal pressures and outside forces were brought to bear, the enrollment declined. This was not without some benefit, however. As teaching loads were lightened and research activity maximized, the overall program achieved a better research-teaching balance.

The surging vitality in research and graduate education generated numerous requests for doctoral level training. Accommodating these requests would have been impossible without the support and assistance of Dr. W. H. Matchett, dean of the Graduate School. Dean Matchett established the Ph.D. program in interdisciplinary studies to satisfy students' needs in areas not included in established Ph.D.-granting departments. Dr. Bruce A. Barna received the first degree in 1984 and soon gained national recognition for excellence in teaching design at Michigan Technological University.

The demand for and productivity of the I. Doc. (Interdisciplinary Doctoral) program generated administrative support for a bona fide Ph.D. in chemical engineering. In 1985, under the leadership of J. Derald Morgan, the new dean of engineering, a petition was initiated to gain approval for this degree. Although the proposal met with significant opposition, the major hurdles have now been cleared and final approval was received in NMSU's Centennial Year, 1988.

Two additions to the faculty in the mid-1980s contributed to the quality of the program. Joe Creed, an NMSU graduate of 1959, was initially hired on a part-time basis to teach the undergraduate laboratories; his duties were increased in 1985 to include the teaching of the undergraduate design class. [In 1988, Joe Creed became assistant dean, with a primary responsibility of program development]. Dr. Ricardo Bogaert was hired upon the completion of his Ph.D. in June 1986, to replace Dr. Ken McCorkle in teaching material science.

Research funding increased as the established faculty matured. This allowed the department to employ two additional faculty on research funding: Dr. Francisco del Valle, from the University of Chihuahua, and Dr. Stan Holbrook, who received his Ph.D. in the Interdisciplinary Doctoral program at NMSU in 1987.

As of 1988, the department stands at an all-time high with respect to faculty quality and strength of programs. The faculty, which totals ten, includes four faculty members with tenure and three individual research programs that are receiving national and worldwide attention. Undergraduate and graduate enrollment bottomed out in 1986, but both are now growing at an acceptable rate of approximately 10 percent per year. The future is filled with promise, and the unanimous expectation is that the stature and recognition of the department will grow measurably in the years to follow.

There were two faculty changes during the university's centennial year. Donald B. Wilson retired in January 1988, and in May Dr. Ron K. Bhada was hired as head of the department. The number of faculty remains ten, and the outlook for the future continues to be bright.

9 Civil, Agricultural, and Geological Engineering

Civil engineering shares with mechanical engineering the distinction of being the oldest engineering disciplines at New Mexico State University. The first statement of educational policy, formulated by the Board of Regents in 1889, called for “a Department of Mathematics embracing Land Surveying and Leveling.”¹ The first catalog, published five months after the college opened January 21, 1890, promised that students would have practical training in the use of transits, levels and other instruments; the textbook to be used by the surveying class was by Wentworth and Gillespie.

Civil engineering was one of the six courses offered by the college the next year. The full curriculum was outlined for all four classes. Clarence T. Hagerty, professor of mathematics, taught the first CE classes; when Horace Ropes came in 1894, he was listed as professor of civil and mechanical engineering. Although the *Catalogue for 1893–1894, Announcements for 1894–1895* states that the degree Bachelor of Civil Engineering (B.C.E.) would be conferred upon those students completing that course, the title of the degree was changed the next year to Bachelor of Science (B.S.) and thus continued.

In 1895, “civil engineering” became “irrigation engineering” in order to reflect the emphasis on “training for those who expected to design and operate irrigation works. . . .”² After two years, the name was changed back to “civil engineering.” Classes were taught by Frank W. Brady (M.E.) until 1900.

The *Catalogue for 1899–1900, Announcements for 1900–1901*, lists W. M. Reed, C.E., as professor of civil and irrigation engineering but states, “this has just been made a separate department, and the professor was not appointed in time to prepare a detailed statement of work of his department for the catalog”. However, civil engineering was not mentioned at all in the next catalog, or indeed, until 1907.

From 1908 until 1914, civil and irrigation engineering instruction were combined in one department by that name. The following rationale was given:

*The widespread development of irrigated areas throughout the arid West, both by means of gravity flow and by pumped water, has extended the duties of the Civil Engineer to include a knowledge both of irrigation methods and of pumping machinery. The province of the Civil Engineer as an Irrigation Engineer, becomes, therefore, the furthering of the development, conservation and economical use of limited water supplies both for irrigation and domestic purposes.*³

In 1914, when the School of Engineering was created, it included four departments: civil, electrical, irrigation, and mechanical engineering. Civil and irrigation engineering existed as separate departments until 1920. They were again combined under the title, “civil and irrigation engineering” for six years, dropping “irrigation” from the name in the fall of 1926.

Faculty for this period included Burton P. Fleming, professor of irrigation engineering from 1907 to 1909, and Frederick Louis Bixby, who was hired to replace Fleming. Bixby, however, did not join the faculty of the newly formed Engineering School, although he stayed with the college as irrigation engineer.

George P. Stocker was the first department head of civil engineering under the new organization, and remained for two years. He was followed by Frank A. Hitchcock, who also stayed two years, and Daniel S. Robbins, who stepped aside after one year as head.



Early civil engineering instruction near the YMCA building.
(Hobson-Huntsinger University Archives)

A head of irrigation engineering was not designated during the School's first year, but in 1915, Raymond Matthew is shown to be in charge. John William Jourdan took over the next year and continued as head until 1922 (including two years as head of the combined department). Ernest C. White became the next head of civil engineering, to be replaced by Harvey Oden Garst in 1924. Garst offered stability to the department for the first time, remaining in charge for nine years.

Daniel Boone Jett joined the faculty in 1926, and in 1933, was made head of the department of civil engineering. He retained this responsibility during the years he was dean of the Engineering School, 1938–1947, and afterwards until 1951. "Dad" Jett's activities, which are presented in more detail elsewhere in this history, included the organization and management of the first co-op program, 1929–1936; supervision of Civil Works Administration projects, and appointment as the State CWA representative in 1933; direction of the Civil Aeronautics Authority's pilot training program on campus, 1939; and general supervision of the National Defense Trade School held during the war years, 1940–1945. He is also remembered by many for the correspondence he maintained with Aggies in the military service.

Jett made substantial contributions to the engineering profession as well. According to C. Quentin Ford, "Dad" Jett almost single-handedly set up and administered the process for registration of professional engineers."⁴ When New Mexico enacted legislation calling for the registration of professional engineers and land surveyors in 1934, Jett became a member of the State board, and served as its chairman for sixteen years.⁵

Frank Bromilow joined the civil engineering department as its head in 1951. Jett continued as a full-time professor for five more years. When he had begun teaching in 1926, "the department had graduated a total of 22 engineers; at the time of his retirement in July, 1956, the department, under Professor Frank Bromilow, graduated its 232nd Civil Engineer."⁶ D. B. Jett died January 10, 1960.

Professor Bromilow was instrumental in bringing the New Mexico State Highway Conference to the campus in 1955; it has been held annually since that time. The proceedings of the 1955–1974 Conferences were issued as Experiment Station *Bulletins*, Bromilow having been named Associate Director of the Experiment Station by Dean Thomas.

Another important addition to the civil engineering faculty in the early 1950s was John W. Clark, who came in 1953. John Hernandez has called Clark "one of the most imaginative and creative men I've ever known – a real inventor."⁷ His book is still used in civil engineering courses today.

Clark quickly established himself as an expert in the field of water usage and supply. Kropp notes that in 1956, "Professor John W. Clark at a water conference advised the leaders of Las Cruces to reclaim sewage

effluents if they expected their community to industrialize".⁸ In fact, Clark's Water and Sewage Treatment Short Course became an annual event.

Another of Clark's contributions was the recruitment of fellow civil engineer John W. Hernandez in 1965. Hernandez organized the New Mexico Environmental Institute in 1970. This organization was housed at NMSU, but drew on all six of the New Mexico's four-year institutions.⁹

When M. A. Thomas turned the deanship over to Frank Bromilow in 1961, John Clark served as head of civil engineering for one year. From 1962 to 1966, Russell C. Brinker held the position. Dr. Samuel P. Maggard took over in 1966 and remained in charge until 1978; he directed the Engineering Research Center from January to December of 1988, when he returned to the classroom.

Dr. Narendra Gunaji joined the faculty in 1960, when college administrators were striving to develop a strong graduate program and supporting research activity. Civil engineering had begun a master's degree program in 1955, and a general Doctor of Science degree plan had been replaced in 1961 by a Doctor of Science in Engineering.¹⁰ Gunaji was given the responsibility of developing a civil engineering doctoral program, and strengthening the master's program in water resources, hydraulics, and hydrology. He began by examining national curricula and selecting the necessary courses.¹¹



Stacey Anich, civil engineering lab – early 1989.
(Photo by Information Services)

Active, well-funded research was seen to be essential to support the caliber of graduate work envisioned for this institution. Dr. Gunaji was put in charge of the Engineering Experiment Station in 1964 and served as its Director until 1982. At that time, he returned to classroom teaching for four years, retiring in 1986. He is presently a member of the United States International Boundary and Water Commission.

Conrad G. Keyes, Jr., became head in 1978. He had first served the department as a graduate student in 1960, and had joined the faculty in 1966. Keyes held the position until 1987. Kenneth White, who had directed the Engineering Research Center for three years, became head of civil engineering in January 1988.

The 1972–73 catalog shows the first appearance of the department's offering of a B.S. degree in geological engineering. In 1986, the College of Agriculture withdrew its support from the dually administered agricultural engineering department. That program also found a home in the civil engineering department, whose name was changed to reflect the expansion: Department of Civil, Agricultural, and Geological Engineering.

During the 1940s and 1950s, civil engineering classes were taught in a wood frame building known as "Building 10" and located where Thomas–Brown Hall now stands.¹² The department moved into Jett Hall when that building was completed in 1957, and still holds most classes there. Some laboratories – for materials testing, soils, and hydraulics – are housed in the Engineering Complex, built in 1980.

The main changes in civil engineering education in the last twenty years, as indeed in all areas of engineering, are due to the influence of computers. Dr. Gunaji points out that the course he taught in 1962 was an entirely different course in 1982, even though the title was the same. The fundamentals haven't changed, but the applications are entirely different.¹³

10 Electrical and Computer Engineering

The electrical and computer engineering department is the largest of the engineering departments; it is so big, in fact, that it is sometimes jokingly referred to as “the fifth largest university in the state.”¹ As was the case with many electrical engineering departments, the program at this institution grew out of the mechanical engineering discipline.

Instruction in electrical engineering was desired by the students of New Mexico College of Agriculture and Mechanic Arts as early as 1893. An article in the *New Mexico Collegian* of September 1893 contains this observation of the curriculum:

*We were struck by the entire absence of practical study in electricity, in the mechanical engineering course, but we feel confident that the omission is inevitable, and therefore not a mere oversight. It is to be hoped that it will be supplied as soon as possible.*²

In 1897 and for the next ten years, one course in electrical engineering was offered as part of the mechanical engineering program. According to Burton P. Fleming, “instruction in electrical engineering appears to have followed closely the early developments in this branch of engineering. By 1900 we find the engineering building was completely wired with electric lights and instructional work already was underway in dynamo and motor testing.”³

Electrical engineering first appeared in the catalog in 1907; that year, it was listed as one of the six college courses and it was shown to be a subdivision of the general department of engineering, along with mechanical and civil engineering. It was thus described in the catalog:

This course is arranged to supply the demand for men who have a practical knowledge of electricity, as well as a thorough knowledge of the principles and laws governing forces with which they have to deal. For the first two years the course is identical with the Mechanical Engineering course, but branches out separately during the third year. This is for the reason that the two courses must through necessity run nearly parallel, as a well equipped electrical engineer must also be a mechanical engineer, and must have some training in the principles of steam and hydraulics.

The following year, and until the School of Engineering was created in 1914, there were two engineering departments: the Department of Mechanical and Electrical Engineering and the Department of Civil and Irrigation Engineering. A two-year mechanical and electrical certificate course was offered in 1908–1909; although it did not appear again in the catalogs, it must have been given one more year, as Pedro Larquier earned a certificate in 1910.

Early EE graduates included Earle Cracraft Hornbrook, who is shown in the 1908 *Swastika* to have completed the mechanical–electrical course, and Stuart Knight Baker and Gordon Wilson Goebel, who completed the electrical engineering course in 1910.

Until 1914, electrical engineering courses were taught by mechanical engineers, with the exception of Ross William Elliott, E.E., who is shown only in the catalog for 1910–1911. The creation of the Engineering School coincided with the establishment of electrical engineering as a separate department under the leadership of Professor Ralph W. Goddard. Even though he became dean in 1920, Goddard continued as department head until his death in 1929.



D. C. machinery laboratory. "Junior class running experiments" – 1925. (Hobson-Huntsinger University Archives)

The activities of the electrical engineering department during Goddard's administration have been documented by Ann M. Velia in the book, *KOB: Goddard's Magic Mast*, and described elsewhere in this history. Thanks in part to Goddard's personal recruiting efforts and the attraction of KOB, enrollments grew.

Velia has noted that, "in February of 1915 the electrical engineering department gained a new laboratory."⁴ By 1923, the following equipment was available to electrical engineering students:

The electrical laboratories contain a varied collection of modern machinery. . . . These machines are served by a system of conductors installed in conduit, whereby any machine may be connected electrically to any other through a large plug switch board. Provision is also made so that different motors and generators may be mechanically connected either by means of belts or flexible couplings. The laboratories are also equipped with suitable instruments for measuring electrical power, potentials and currents, as well as with apparatus to facilitate the carrying on of all the common tests of electrical machinery, both stationary and dynamic.

*Special mention might be made of the high voltage insulation testing equipment, the electric meter testing plant, the artificial transmission line, the telephone plant, the radio plant, the arc welding plant, the farm lighting plant, the steam turbine generator plant, and the three element oscillograph to photograph electrical phenomena.*⁵

When Goddard died, William Evan Carroon, Jr., was given what Milton calls "the impossible task"⁶ of managing radio station KOB. Carroon had been at the college since 1919 and had assisted Goddard since 1921. His departure in 1931 created a vacancy which was filled by Melvin A. Thomas.⁷

James T. Rood became dean of the Engineering School and head of the electrical engineering department in 1930. He and Thomas were the only two faculty in the department so, when he left two years later, Professor Thomas was assigned the full teaching load. Later, assistance was given by John H. Butler, Carl M. Wolfe and Frank Amador. Harold A. Brown came in January 1937, and C. Donald Crosno in the spring of 1947.

Thomas was named dean in September 1947, and continued to head the department until 1956, at which time Harold Brown took over. Brown served as head until 1968 and retired in 1970.

In 1952, the department was authorized to offer the Master of Science in Electrical Engineering. By 1961, a total of sixty-two master's degrees had been granted. In that year, a Doctor of Science in Engineering was initiated for civil, mechanical, and electrical engineering.⁸ Ray Black became the department's first graduate teaching assistant in September of 1954 and joined the faculty as the department's first Instructor the following year. Professor Black will retire in June of 1989 after thirty-five years of service in the field of electronics.

In 1961, M. A. Thomas gave up the deanship to Frank Bromilow and returned to classroom teaching – the activity he says “gave me more satisfaction and joy than anything that I could have done.”⁹ After six more years of teaching, which included a trip to India in 1962, Professor Thomas retired in 1967.

Dr. Frank Carden became head of the electrical engineering department in 1968, having come to NMSU two years earlier. He was given a charge by Dean Bromilow to develop a graduate program, supported by outside funds, and to develop the supporting research program. In 1968, Dr. Wiley Thompson, Dr. Lonnie Ludeman, and Dr. Eldon Steelman joined the university and in 1969 Dr. Gerald Flachs was hired. These energetic recent Ph.D. graduates then helped provide the initial thrust and momentum to develop a significant graduate and research program within the department. The results of Carden’s efforts in these areas are readily apparent as the number of graduate students in electrical engineering has increased from about forty–five in 1968 to about 140 today. In 1968, the department had about \$25,000 in outside funds available for research; it presently spends about \$2.5 million a year in outside funds.¹⁰

One of the first programs to emerge from this new emphasis on graduate studies was the Electric Utility Management Program (EUMP), the graduate level electric power program established in 1968. The goal of EUMP’s founders was to develop a program that would meet industry’s need for engineering managers who understood the financial and regulatory aspects of the industry. The program, which to date has graduated more than 140 M.S.E.E. students, is unique in that it provides course work in advanced electric power engineering and management. The director of EUMP since its inception has been Professor Bill Kersting, also an alumnus of NMSU.

Carden says the best way to describe the electrical and computer program as it has evolved is “dynamically explosive.” Faculty members realize they must stay right on the frontier of technology in order to produce the graduates wanted by modern industry. Thus they make “a magnum effort” to stay current on new developments and bring them back to the classroom through teaching and research.

In explaining the growth and development of the department in the last fifteen to twenty years, Carden says, “It was our goal to support and compliment the technological community in the Southwest, particularly in New Mexico.” University engineering personnel looked at such facilities in New Mexico as White Sands Missile Range, Holloman and Kirtland Air Force Bases, Sandia, and Los Alamos, and decided that “the modern technical activities these federal agencies were involved in were the activities we should support.”

As engineering educators in the 1970s became aware of the trends toward increasingly sophisticated electronics and computerization, they talked to industry leaders about the engineer who would be wanted in the future. “They described that person as someone with an EE [“double E”] degree, but with the capability to utilize microcomputers in the design of electronic modules.” Dr. Flachs took the first steps in developing such a program.

Thus the department became, in 1973, the “Department of Electrical and Computer Engineering,” probably one of the first five EE departments in the United States to reflect this new emphasis. As a school which now produced “computer engineers,” NMSU had taken its place as a pioneer in the field. Qualified faculty were sought: electrical engineers with Ph.D’s, who specialized in computer engineering. Drs. Javin Taylor and Robert Golden came to the department in 1976 and 1978, respectively, joining Dr. Flachs in expanding the computer program. Another professor hired to enhance the computer department, Dr. Jay Jordan, came in 1984. All three have remained very active in research: Dr. Taylor in computer architecture and parallel processing; Dr. Golden with the Cosmic Ray Laboratory; and Dr. Jay Jordan in computer vision and image processing. As a result of these research efforts, the computer engineering program at NMSU has developed into one which is nationally recognized in both undergraduate and graduate areas.

Another area of the department which is very strong, and which is Dr. Carden and Dr. Ludeman’s specialty, is communications. The highly advanced communication networks of today involve electromagnetics, antennas, and microwaves. The field is both broad and diverse, and includes such varied types of communication as transmitting data from one computer to another or analyzing information received from a tactical missile which has been instrumented to relay temperature, vibration, and other performance factors. Much of the department’s work is done in conjunction with White Sands Missile



Thomas-Brown entry. Home of the electrical engineering department since 1972. (Hobson-Huntsinger University Archives)

Range, which conducts some 5,000 experiments a year.

Because the study of antennas is such a vital part of this area, the department boasts, among its facilities, an anechoic* chamber. The blue styrofoam-like points which cover the walls, ceiling, and floor of this room make it look like something from a science fiction movie.

But then science fiction might be tame stuff compared to the reality of today's engineering technology. When Americans watched Neil Armstrong step onto the moon's surface, they did not know that the mathematical model which made that television link possible had been developed at New Mexico State University.

The first large funded research programs in the department were a Systems Countermeasure project initiated by Dr. Thompson and a Real-Time Vision Tracking project initiated by Drs. Flachs and Thompson. Both of these programs were funded by the U. S. Army for about one-half million dollars each and provided the ground work for one of the biggest research areas at NMSU. This research is called electronic vision analysis and combines computers, systems, communication, and image processing. Image processing involves "building intelligence into a missile so that the missile not only recognizes an object of interest, but knows what to do about it." In electronic vision analysis, the system has to make a decision about the picture received in real-time, as a human would do. Dr. Carden pointed out that the department has million-dollar contracts with a number of government agencies to do research in real-time image processing.

Another large research area is the Cosmic Ray Program, which evolved from Professor Robert Golden's work as a graduate student with Nobel prize winner Dr. Luis Alvarez. It is a NASA sponsored research program which is currently utilizing a large balloon-borne instrument containing a superconducting magnet and particle detectors, similar to those used for elementary particle studies at Fermi lab, CERN. In 1979, a flight of the balloon-borne magnet resulted in the discovery of antimatter, in the form of antiprotons in the cosmic rays. The source of these particles of antimatter is of great interest to scientists who study theories about the creation and evolution of the universe. This discovery resulted in international recognition of NMSU and its research programs.

Electro-optics is a fairly new area of importance. This emphasis has been the specialty of Professors Stuart Schleusener and Mike Giles. It involves fiber optics and small, low-powered lasers which are studied

*Greek word, meaning "without echo."

as a means of communication. The present electro-optics research complements the computer and digital image processing efforts in electronic vision research.

Electronics rounds out the department's curriculum. Almost all areas of study have both an undergraduate and a graduate component, so the faculty are involved in teaching both. According to Carden, "Getting students involved in research, getting them to publish, getting them recognized nationally – that's the name of the game."

The electrical engineering department was housed in Goddard Hall from its dedication in 1934 until January of 1972. President Corbett and Dean Frank Bromilow sought legislative approval for a new building for the department. Department Head H. A. Brown and Professor George Lucky began planning for the new building in the fall of 1967. The architectural concept of columns on the exterior which resulted in unobstructed interior walls was developed by Brown. The final layout was made by Carden and Bromilow.

As the new head, Dr. Carden was given the responsibility of getting the department into a new facility. Those efforts also met with success and, in 1972, the department moved into Thomas-Brown Hall, named for Melvin A. Thomas and Harold A. Brown.

Electrical engineering has grown considerably since then, from 300 undergraduates in the early 1970s to a present enrollment of about 900. The department is about the same size as New Mexico Institute of Technology at Socorro or the university's own College of Agriculture. But, Dr. Carden emphasizes, besides being large, the department has a reputation for turning out outstanding engineers. He points out that 120 companies come to campus specifically to interview EE graduates – more than for any other discipline – and "the reason these companies come is they like our product."

Electrical engineering has been fully accredited since 1937-38. About 30% of its students participate in the co-op program. And its honor society HKN (Eta Kappa Nu) has twice been designated the most outstanding chapter in the nation (of about 250 EE departments). As is the case with others of the engineering departments, there is a good relationship between the faculty and students.

The Carden years in electrical engineering could be characterized as years of stability and growth. The electrical engineering faculty found the department a happy and enjoyable place to work and grow. The net result was minimum faculty turnover and a pleasant, collegial environment.¹¹

Dr. Carden laughs as he tells about the change students undergo during their college years. "When freshmen come in, they're polite and quiet and kind of bashful – really very nice people. As they become seniors, they walk up and down the hallways like they own the place. They come into my office and put their feet on my desk and say, 'Well, now, Frank, here's what I think we ought to do!'"

A bit of an exaggeration, perhaps, but it serves to illustrate the quality Frank Carden finds a most rewarding aspect of his career: the satisfaction of watching students "grow and mature, and gain self confidence, and go out as engineers."

Dr. Carden returned to teaching and research activities in 1987 and Dr. Javin Taylor became acting department head.

11 Engineering Technology

Engineering technology was organized in 1963 to meet the need for two-year associate degrees in mechanical, civil, and electrical engineering. Originally called the “Technical Institute,” the department’s purpose was, and is, to prepare students to fill the role of technologist – the “essential man in the middle” of the engineering team.

As modern technology becomes increasingly more complex, the gap between the “thinker” (the engineer) and the “doer” (the skilled craftsman) becomes greater, as does the need for someone to translate the engineer’s ideas into workable form. The announcement of the establishment of the Technical Institute included the following explanation:

Engineers study scientific discoveries to make effective use of newly-found knowledge. Today he has concentrated training in mathematics and science as well as engineering skills. His objective is to apply scientific knowledge through applied research, design, and development.

The technologist plans, builds, tests, operates, and services devices designed and developed by both scientists and engineers. He is an aide to the engineer, one who can get things done, translated from drawings or models to a final form. He is able to take the engineer's or scientist's plans and, often in cooperation with the third member of the team, the craftsman, complete them.¹



Professors Louis Kleine and C. Quentin Ford – ca. 1973. (Hobson-Huntsinger University Archives)



Mini-Baja race car entry, designed by mechanical engineering technology students – spring semester 1989.

Because of requests from Sandia National Laboratories and other high-tech organizations for graduates with this kind of training, university administrators (President Roger Corbett, Vice-President William O'Donnell and Dean of Engineering Frank Bromilow) met with engineering department heads (Eldon Hanson of agricultural, Luke Shires of chemical, Russell Brinker of civil, Harold Brown of electrical and Quentin Ford of mechanical). This group decided that the associate degree program should not be administered within the existing departments of civil, electrical, and mechanical engineering, but should be established as an additional, separate department.²

Dean Bromilow, in the spring of 1963, asked mechanical engineering professor Louis Kleine to head the new department. Professor Kleine's charge was to design the curricula for three programs – civil technology, electronic technology and mechanical technology – and to begin instruction in the fall.

The Technical Institute opened in September of 1963 with forty-three students. Classes were held in the old Air Mechanics building. Two years later, sixteen graduates received the Associate of Science in Engineering Technology degree, and all were employed in New Mexico. It was also about two years later that the name of the department was changed to the "Department of Engineering Technology."

In 1966, a two-year associate degree program in electro-mechanical technology was introduced, but dropped a few years later. At that time, too, a one-year drafting certificate course was added. It has since been transferred to the Dona Ana Occupational and Educational Branch.

In 1971, student demands, combined with industry's need for a still more knowledgeable graduate, brought about an expansion of the program: a Bachelor of Science degree was offered in engineering technology. This was, and still is, the only four-year program in engineering technology in the state of New Mexico. Although the two-year program was also maintained, studies made of enrollment figures through 1984 show that approximately 97% of the two-year graduates have gone on to complete a bachelor's degree. The three two-year programs and the B.S. degree program have all been accredited for several years.

Engineering technology moved from the Air Mechanics Building to Goddard Hall in 1972; most instruction is held there now. In 1982, the College of Agriculture's dairy lab was remodeled and renamed the Engineering Technology Annex. It is used primarily for offices and mechanical and civil technology labs. The department's enrollment had grown to 500 students in the spring of 1984 and presently has seventeen faculty.

In 1985 George Alexander became department chairman. The civil option, which had been under the direction of the mechanical option coordinator, Bill Fleming, was now completely separate and headed by Jim Herrol Skidmore.

One of the biggest changes in the ET department in recent years has been the increase in computer programming applications in all three options. More computer programming courses are now required and most courses of level 200 and above require some computer programming.

Another significant development in the ET program has been the development of the computer aided drafting (CAD) program. Presently under the direction of Al Romero, the program was developed in the fall of 1984 by Bill Fleming. This course is one of the most popular engineering courses in the College and attracts students from all the engineering disciplines.³

Professor Kleine, who served as department head until his retirement in 1984, believes that the strength of the department has been the concern for students shown by the faculty and staff. He reports that "a majority of the faculty during [my] tenure gave that extra effort to make the programs successful and that local citizens volunteered to teach courses without remuneration."⁴ Former Deans Hugh Milton and M. A. Thomas contributed their expertise to engineering technology classes. It is Professor Kleine's sincere belief that "the taxpayers of New Mexico get their money's worth at this university!"⁵

12 Industrial Engineering

Industrial engineering is a diverse field, not really related to any other area of engineering. Even so, in many institutions, including New Mexico State University, the study of it began as part of mechanical engineering. The industrial engineering department, youngest of the engineering departments at NMSU, was begun in 1969. The curriculum had been started before that, in the mechanical engineering department; the first bachelor's degree in industrial engineering was given in 1967.¹

William C. Arnwine became the first head of the department and served until 1972; he was followed by Philip E. Hicks, who held the position through May 1976. Satish J. Kamat, who is originally from Bombay, India, and had come to NMSU in 1970, served as department head through January 1982. When Kamat stepped down to resume full-time teaching responsibilities, Arun G. Walvekar became head and remained so until December 1987, at which time he took a two years' leave of absence. Dr. Kamat has again assumed the leadership as permanent department head.

The department began its master's program in 1975. Before that time, industrial engineering graduates were pursuing advanced degrees through the mechanical engineering department; the degree earned was the Master of Science in Mechanical Engineering. Now, not only can students earn a master's degree in industrial engineering, but they may soon be able to earn a Ph.D. degree. The department is in the process of getting approval for its doctoral program; if approved, it will begin fall semester 1988.

Industrial engineering as a discipline probably began, at least in the United States, in the 1940s. Dr. Kamat describes the scope of this rather comprehensive field: "It covers all aspects of any industry or any organization that either makes a product or provides a service. . . . Industrial engineers design, implement, and improve systems that put together all the resources. The resources include equipment, people, building, money, materials – whatever it takes to accomplish the purpose."

There are several major areas of industrial engineering. One is methods engineering, which Kamat characterizes as "time and motion study, to estimate how long it takes to do a job of good quality with the given specifications, equipment, tools, training, etc.," thus determining how to do the job better – whether by improving quality or output, or decreasing time or cost.

Another area is facilities design – designing the plant that makes the product or provides the service. Dr. Kamat offers as an example a plant that makes computers; although the equipment may have been made by mechanical or electrical engineers, it is the responsibility of industrial engineers to determine where to place the equipment for most efficient production.

Quality control and production control constitute a third area, as industrial engineers analyze the output to ascertain the means to make better use of resources. The area of operations research involves the use of mathematical models for decision-making, while in applied statistics, problem solving draws upon probability statistics for concerns such as quality control.

Of these different aspects of industrial engineering, two – methods engineering and facilities design – are sometimes said to be "traditional," while the others are called "modern." Some institutions have specialized programs, dropping one or the other. At NMSU, since the industrial engineering department is small, the more complete program is taught.

For the first three years of the department's life, industrial engineering classes were taught on the second floor of Jett Hall. When Thomas-Brown Hall was completed in 1972, the electrical engineering department, previously housed in Goddard Hall, moved into the new building. Goddard Hall was then remodeled, and the industrial engineering department moved into new quarters between the fall 1972 and spring 1973 semesters.

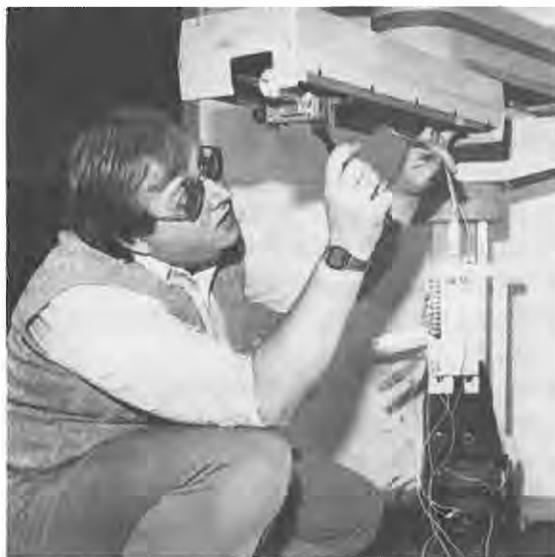
The enrollment of the department has been as high as about 100 undergraduate majors; during the spring 1988 semester there were seventy-four. Women make up 30-45 percent of this number, probably the highest female enrollment in the College.

Industrial engineering was accredited in 1971, the earliest possible date, since a program cannot be accredited until it has graduated students. Members of the accrediting team which visited in 1975 found a lack of progress which resulted in the department being placed on probationary or "show cause" status. The department was to reply to a list of concerns within two years. This was done; all responses were satisfactory and accreditation continued.

Also, as a result of the accreditation board's 1975 report, the university conducted an internal review in conjunction with the North Central Association's review (for accreditation of the university). This evaluation also resulted in probationary status for the department: industrial engineering had five years to make the necessary progress or the department would be terminated. Again, the challenge was met; the department requested a second review at the end of only three years, and was subsequently returned to full standing. Kamat gives much credit to Dean John Hernandez for guiding the department through this difficult time.

Much of this constructive activity took place around 1976, a year which Dr. Kamat considers a turning point, not only for the department, but for the university as a whole. He cites such examples as an influx of highly qualified faculty, improved laboratory and computer facilities, and more and better resources in general.

About 20-25 percent of the industrial engineering students participate in the co-op program at some point in their educational careers; there are usually openings for five to ten students any given semester. Employing companies include IBM, at various locations across the country; Texas Instruments; General Motors, Saginaw Gear Division; Ethacon; and, in New Mexico, Intel Digital Equipment (in Albuquerque),



Mike Burke of IE works on a new robot design - 1987.
(HHUA)



A typical production operation requiring an industrial engineer's help for improvement. Lenkurt plant in Albuquerque - 1971. (HHUA)

and the NASA site at White Sands. A co-op program with El Paso Electric Company was started about three years ago, and there has been an IE student there every semester and summer since. The co-op experience is a valuable one for students in this department, since they usually work with industrial engineers in the employing companies and therefore, get professional experience. Dr. Kamat explains that students usually go on the co-op program as juniors, although it is open to sophomores. As juniors, the students have taken some industrial engineering courses. Their work experience then makes the next courses they take more meaningful.

A variety of research has been conducted by industrial engineering faculty. The early 1970s saw some work in water resources in cooperation with NMSU's Water Resource Research Institute. This study included a joint project with the University of New Mexico (UNM). Later, in 1974-75, a research contract with the White Sands Missile Range Office of Missile Electronic Warfare provided the opportunity to examine the vulnerability of certain weapon systems through simulations (computer-based research). This contract lasted six years.

About 1983, two faculty members, Satish Kamat and Michael Burke, became involved in robotics research with the Computing Research Laboratory (CRL). They were looking at the ways robots could be integrated with different sensory devices, such as visual, tactile, and ultrasonic senses. This project was phased out after two or three years when CRL's orientation moved from robotics to artificial intelligence. However, the department is still doing some work in robotics.

Dr. Kamat points out that it will be necessary for the department to expand its research base in order to support the doctoral program. Opportunities must be provided for graduate students to become involved in research in such areas as variable computing and artificial intelligence with its applications to manufacturing.

One of the most innovative and exciting steps taken by industrial engineering is one that will have implications for university teaching in general: the department has begun a joint program with UNM whereby a student at either institution may earn a master's degree in manufacturing engineering. Supported by industries in New Mexico that provide fellowships and summer jobs, this program has four core courses. Two are taught by UNM and two by NMSU. They are broadcast live, simultaneously, to the other campus. In addition to the core courses, there are electives at both schools which can either be broadcast or for which the credits can be transferred. The program began officially in the spring of 1988. Industrial engineering, too, has played a major role in off-campus education, with programs at Kirtland Air Force Base, Clovis, and Carlsbad.

When asked to recall any humorous incidents which had occurred during his tenure, Dr. Kamat related a story concerning some shenanigans on one particular Engineers' Day, an event which is held annually in the spring. A group of IE students conspired to kidnap all the faculty (with the knowledge of their wives). About 5:00 on Saturday morning, the professors were blindfolded and taken from their homes to the home of one of the students, for breakfast. Adding to the enjoyment of the occasion was the fact that each faculty member had been given a T-shirt with a funny nickname on the back, which he then had to guess. After they had eaten, they were again blindfolded and taken to the softball field where the department's team was to play in the finals later that day. The students placed one blindfolded professor on each of the four bases – and left!

The prospects for industrial engineering look very bright indeed. This is based on the outlook for engineering in general, both nationally and internationally. As big companies are facing the challenges posed by a highly advanced technology, they are beginning to see that some of the solutions lie not just in bigger and better equipment, but in making better use of the equipment and resources available – in other words, the expertise offered by industrial engineers.

As a department of NMSU, too, the future is exciting, for reasons already described, and also because of the leadership and support of College administration. Dean J. Derald Morgan has had a big impact on the progress of the department described by Kamat as “a broad-based, solid program that puts out qualified graduates.” Kamat is enthusiastic; in his words, “We're riding a high and going higher!”

13 Mechanical Engineering

The mechanical engineering department at New Mexico State University has been the most stable of the engineering disciplines and, along with civil engineering, the longest taught. The *Catalogue for 1890–1891; Announcements for 1891–1892* listed mechanical engineering as one of the six college courses to be offered the following year. August J. Wiechardt, M.M.E. from Cornell University, was hired February 13, 1891, as professor of mechanical engineering, “and equipment for his department, including machine shop equipment, an engine, etc., was purchased and installed during the summer of 1891.”¹

Early courses included thermodynamics, strength of materials, analytical mechanics, graphics and kinematics (all listed under “Theoretical Engineering”), and drawing – elementary machine design, high-speed steam engine design, and machine design from specification. Classroom teaching was supported by practical application in the shop and laboratory.² Forging and foundry work were added to the curriculum in 1892 and the equipment was housed in tents until more adequate facilities could be obtained.³

Simon Kropp, in his book *That All May Learn*, has described the political milieu in which the young college struggled. President Hiram Hadley was replaced in 1894 by Samuel P. McCrea, the choice of the Democratic majority on the Board of Regents. “When Professors Wiechardt and [Frederic F.] Barker ‘resigned,’ it became obvious that the faculty had been affected by the presidential turnover. . . . About the same time [that Barker accepted another position] Wiechardt’s position in the department of mechanical engineering was filled by Horace Ropes.”⁴ Ropes was the son-in-law of the editor of the *Independent Democrat*, who in turn was one of Senator Albert B. Fall’s relatives. As that newspaper verbally battled with the *Rio Grande Republican*, the college was caught in what Kropp calls “a deadly journalistic crossfire.”⁵ Among the charges hurled back and forth was the indignant claim that “Professor Ropes, the Fall family’s pedagogue, received \$2,000 per year for teaching three students. . .” while some “campus ‘specialists’” were paid \$1,600 annually.⁶

Ropes resigned early in 1896 and was replaced by Frank W. Brady, M.E. Brady taught both mechanical and civil engineering courses until 1900, when it appeared that civil engineering would become a separate department. Instead, instruction in that area was discontinued until 1907. After one more year, Brady was replaced by Charles Mills, who had started out as shop foreman in 1894.

Mills served until 1905, when Charles E. Paul assumed the leadership of the department for three years. In 1908, Archibald Sage, who had become an assistant in the mechanical engineering department before his graduation in 1900, took charge of the Department of Mechanical and Electrical Engineering (as it was called at that time).

Sage resigned in June 1914. When the School of Engineering was created during the next year, Arthur F. Barnes served as its first dean, and also as head of the once again separate department of mechanical engineering.

Leadership changed rather quickly in the years following the departure of Barnes in 1920. Norman N. Tilley held the position for one year (1920–21), Otto B. Goldman for two years (1921–23), and John A. Herrington for one year (1923–24). When Hugh M. Milton took over in 1924, he brought welcome stability to the department. In an interview sixty-two years later, Milton looked back on that time: “When I got here, they told me, ‘If you stay for a year, you’ll stay forever.’ I found that was true.”⁷ He also commented that,



Mechanical engineering – freshman applied woodshop class in Goddard Annex – 1925.
(Hobson-Huntsinger University Archives)

at the age of 26, he was younger than some of his students for the first year or two.⁸ Milton administered the department until he was made dean of the Engineering School in 1935. At that time, M. T. Lewellen became head and served six years.

Arch M. Lukens, who became head of mechanical engineering in 1941, has been described as “truly a pioneer in the field of solar energy applications and research.”⁹ According to C. Quentin Ford, Lukens did very good, fundamental work in this area. “He had sponsored projects from the Navy and the Air Force, the purpose of which was to study effects of solar energy on various kinds of materials.”¹⁰ This work, referred to as an “actinic process,” was comprehensive and continued over several years.

Unfortunately, Professor Lukens never did publish the results of his research. Although he compiled a great deal of material, it was only made available through his students. The present Solar Energy Institute, while having no connection with Lukens, did grow out of the mechanical engineering department and much of the work that Lukens had done.¹¹

Another man who was to leave his mark was Merle Creech, who came in 1956. The three white wooden towers located near “A” mountain were designed by Creech for the testing of antennas without interference from metallic substances around them. The towers were built for the Physical Science Laboratory, who “got a lot of mileage out of them,”¹² since it is hard to find areas of such low interference.

Creech was a self-educated person in some respects. He had taught himself German and knew Russian fairly well. He was a good instructor and well-liked. His large personal library was donated to the university when he passed away in the late 1960s.¹³

C. Quentin Ford first came to New Mexico College of Agriculture and Mechanic Arts as a student in 1941. His education at this institution was interrupted by the war. When he returned to campus in August 1946 to continue in engineering, he found a school very different from the one he had left. The people “were about four to six years older chronologically, but about twenty years older experience-wise.”¹⁴ When he started as a freshman, “there were virtually no married students on campus and no cars; coming back in ’46, half or more of the student body were married and cars were much more prevalent.”¹⁵

Ford was especially close to “Dad” Jett, with whom he corresponded during the war, and Arch Lukens, who also kept in touch with Ford after he graduated. In fact, when Quentin Ford came back to New Mexico A&M in 1959, it was because of his friendship with Lukens and their understanding that Ford would replace Lukens as department head; he did so a year later, in 1960.¹⁶

The first faculty member in mechanical engineering with a doctorate, Ford was asked to help “beef up” the master’s program which had been established in 1955, and to help get a doctoral program started. The first doctoral candidate in mechanical engineering, Richard K. Fergin, graduated in 1964.¹⁷ The department now offers the Master of Science and Doctor of Philosophy degrees; areas of specialization are heat transfer, mechanics, fluid mechanics, and solar energy.¹⁸

Ford administered the department for eleven years, turning it over to Marshall M. Sluyter in 1971. Ford returned to classroom teaching for three years and then was named associate dean in 1974, a position he held until the summer of 1988 when he retired. Sluyter continued as head until 1975, at which time Phillip R. Smith assumed the position. In the fall of 1988, Phillip Smith returned to the classroom and passed the department head post on to George Mulholland.

Mechanical engineering programs feature courses in mechanics, thermodynamics, engineering analysis, fluid mechanics, and engineering design. They prepare students for a broad range of employment opportunities, including design, research and development, technical sales and service, project engineering, management, and power system engineering. Projects as diverse as perfecting mechanisms for artificial limbs or providing guidance systems for the space shuttle or developing alternative power supplies from solar, wind, and geothermal energy sources all fall within the realm of the mechanical engineer.¹⁹

One program which reflects the department’s desire and ability to stay at the “forefront” of current technology is the modern laser optics laboratory constructed by mechanical engineering professors Larryl K. Matthews and George Mulholland. Designed to study the mechanical properties of materials, the laboratory includes “a helium–neon laser, bi–directional reflectometer, various monochrometers, a holographic camera, optical beam steering systems, and a vibration isolation system.”²⁰

It is situated in a room in the basement of Jett Hall, the building in which most mechanical engineering courses are taught. “In addition to research applications, the optics laboratory is expected to be a powerful learning tool for undergraduate and graduate engineering students. An engineering optics course has been developed in the department of mechanical engineering (ME 470), making use of the equipment.”²¹



Mechanical engineering laser optics laboratory – spring 1989.

Another program headed by a mechanical engineer for nineteen years, but which has had a great impact on the college as a whole, is the Cooperative Education (co-op) Program. Directed by Maurice Hamilton from 1965 to 1984, the co-op program has been tremendously successful in attracting students, making it possible for them to earn money while attending school, and giving them the professional experience which employers are seeking as well as an opportunity to be trained by those employers.

***Support Units
of the
College of Engineering***

14 Cooperative Education

One of the programs that has substantially served to strengthen the College of Engineering by providing students with experience before they graduate, is the Cooperative Education Program. In 1958, Robert H. Huddleston, former chief of the training branch of the White Sands Missile Range Civilian Personnel Office, wrote about the race between America and the Soviet Union for technical supremacy. He spoke of the general need “to muster our resources to assure adequate numbers of such specialists [scientists and engineers] who are properly trained and effectively utilized,” and of the specific need to provide “a scientific and technical staff adequate to execute the responsibilities of the Proving Ground.”¹

He went on to say:

*In 1952, the Army at White Sands Proving Ground, recognized that this problem would be continuous and embarked upon a cooperative work-study program with the New Mexico College of Agriculture and Mechanic Arts in nearby Las Cruces. The plan was designed to recruit into Federal Service, undergraduate students in engineering, physics, and mathematics and has now completed its fifth year.*²

There were several plans of cooperative education in use at the time. After careful consideration, the plan selected for adoption was one in which the year would “be divided into two equal six-month periods with one group of students attending college full time while the other group is working full time. The two groups exchange places twice a year at the start of the semester or summer session.”³ A student entering the program from high school could complete the requirements for a bachelor’s degree in a minimum of five years.



David Smallwood (center) on the job at WSMR with Capt. William Nelson (left) and David S. Short. La Crosse missile in background – 1960. (HHUA)

In looking at the results of the program thus far, Huddleston pointed out that, in addition to meeting the primary objective – developing a source of scientists and engineers – cooperative education has produced a number of side benefits: 1) financial assistance induces more students to enter college (and engineering and science); 2) being able to apply theoretical knowledge helps to stimulate interest; and 3) college withdrawals are reduced.

Although the program at White Sands, as developed by Dean M. A. Thomas, Brigadier General George G. Eddy and James Patton, represented the college's first major venture into cooperative education, the concept of combining academic instruction with practical experience was not new to the school. In 1929, Professor Daniel B. Jett organized a cooperative program, part of which consisted of an arrangement with the El Paso Electric Company to employ four students. Two of them would work for six months while the other two attended classes, then the groups would switch. Three of the students involved in this early effort were Clifford Malone, Harold Smith, and N. C. Peyton.⁴ Dr. Kropp notes that, in 1929, "the school of engineering instituted a cooperative plan with the state highway department whereby students could alternate between school and work."⁵

After White Sands "opened the door" of cooperative education in 1952, other companies and government agencies soon began to see the value of such a program. The New Mexico State Highway Department renewed its participation in 1953. "About 1956," according to Professor Maurice Hamilton, director of the co-op program from 1965 to 1984, "[students from this program] walked into Edwards Air Force Base, told them what co-ops were and that's when that one started. The students themselves sold it."⁶

The association of the Physical Science Laboratory (PSL) with the co-op program developed primarily as a result of its Satellite Ground Exportation Program, begun in 1959 under a contract with the Department of the Navy to operate satellite instrumentation stations. A statewide recruitment of student trainees was undertaken, with the first group beginning in the fall semester, 1960. Maurice Hamilton estimates that in a ten-year period about 1200 students went through that program.⁷

One of the first students recruited for the PSL co-op program was Mack Haley, who describes it as "the greatest thing I ever had a chance to do."⁸ Haley, now area manager for U.S. West Communications in southern New Mexico, had received an application by mail and, with classmates Edmund Archuleta and Mike Coinman, had been accepted into the program before graduation from high school in 1960. After a year of laboratory and classroom training, Haley's group was sent to Hawaii for nine months, while another group went to Japan. Until his graduation in 1966, Mack's campus education was interspersed with trips to the Philippines, Wake Island (for ten days), and Midway. He could have gone out one more time before graduating, and regrets now that he didn't. However, he was employed by PSL after graduation and, for the next six years, traveled to Greenland (twice), Brazil (twice), Argentina, Ecuador, Chile, Easter Island, Afghanistan, and Alaska.

"There's no way you could buy that kind of experience," Haley says of his years as a student. It made going to school more of an adventure; there was always something to look forward to, whether it was coming home or going somewhere else."

Dr. C. Quentin Ford, in 1963, called Cooperative Education "one of the most successful programs established by the College of Engineering." He went on to say,

Presently, there are working agreements with the White Sands Missile Range, National Aeronautics and Space Administration, New Mexico State Highway Department, Lea County Highway Department, Federal Communications Commission, the Physical Science Laboratory, and several other organizations. . . . The experience gained during work phase is invaluable, and makes the graduates much sought after by industry. Currently there are approximately 400 students enrolled in the co-operative program.⁹

In 1965, mechanical engineering professor Maurice E. Hamilton was named director of the Cooperative Education Program, a position he held until 1984. At the time Hamilton took over, all the students in the program were engineering and/or math, physics, or chemistry majors. The new director set a



Co-op student Robert Lopez, working at PSL – fall 1988.

goal: the co-op program was to be for all majors at New Mexico State University.¹⁰ He began to actively recruit students, explaining that, in addition to PSL, a broad spectrum of companies would be participating. Finally, Hamilton told Dean Frank Bromilow that it was important that the program be more centrally located so it could be seen as more than just an engineering co-op program.

Thus, in 1972, the administration of the Cooperative Education Program was moved into the Student Affairs Office and, Hamilton says, “that’s when the program really began to bloom.”¹¹ At one point, there were thirty-two different majors represented by the students in the program; there were thirty-five students from wildlife science, for example.

Professor Hamilton believes very strongly in the value of cooperative education. He cites a study made in 1980–81 of the students involved in the co-op program which indicated that the percentage of students graduating is much higher than the norm. The percentage of students going to graduate school was also higher. About 80 percent of the graduates were being employed by the companies for whom they had worked as co-op students.¹²

Hamilton has high praise for the students who have gone through the co-op program; he estimates the number at about 6,000, and he knows most of them: “Those kids that have been on that co-op program have been so fantastic!”¹³ He has always tried to “understand who they are and where they’re from.” His interest in students and his remarkable memory of their individual careers is evident in his conversation. He is especially proud of the fact that NMSU students are work oriented; they make the kind of employees companies are seeking. Understandably, Professor Hamilton sees the Cooperative Education Program as the development of greatest significance in engineering education at New Mexico State University.

15 Engineering Research Center

The Engineering Research Center, until 1982 known as the Engineering Experiment Station, was conceived in the beginning years of the institution. An article appearing in the February 1896 issue of the *New Mexico Collegian* begins with mention of the Hatch Act of 1887, which created the Agricultural Experiment Station, and the Morrill bill of 1890, making an annual appropriation to each land grant college. The article continues: "A movement is now well under way to introduce a bill to this session of Congress, authorizing the establishment and endowment of an 'Engineering Experiment Station' in connection with each Land Grant College. Among the objects of these stations, the proposed bill states the following: 'To promote investigation and research respecting the principles and applications of the various branches of the science of engineering and of naval architecture.'"

It was further explained that the "relations of the Stations with the general government are to be established and maintained through the Department of the Navy."¹

No further mention of an Engineering Experiment Station is found until 1917, when an article in the *Round-Up* addresses the issue as follows:

Logically at the time of the passage of the Hatch act congress [sic] should have provided for an engineering experiment station as well as agricultural. No doubt this would have been done had it not been that at that time engineering science was much in advance of agricultural. It was the pressing need of scientific agricultural study rather than any intentional neglect of mechanic arts which made congress [sic] provide for agricultural experimentation only.²

The writer goes on to say that many states "have established engineering experiment stations at the A&M colleges without waiting for federal aid. Such experimental work would be of great service to this state. . . ."³

About that time, work in irrigation engineering was being conducted through the Agricultural Experiment Station. The *Catalog for 1914-1915* lists Frederick L. Bixby as an irrigation engineer on the Experiment Station staff. He is no longer shown to be part of the Engineering School faculty, although the previous year he held the position of professor of civil and irrigation engineering.

In the catalogs around 1930, the dean of the School of Engineering is also shown to be the director of the Engineering Experiment Station. However, any documentation of activity from that period has yet to be found.

In the late 1950s, the Engineering Experiment Station was reactivated by Dean M. A. Thomas, who saw it as an important factor in staff and graduate student development.⁴ His efforts were continued by Professor Frank Bromilow, head of the department of Civil Engineering, who then also assumed the role of part-time associate director of the Experiment Station. Bromilow became dean in 1962, and so acting associate directors were appointed until 1964, at which time the Engineering Experiment Station was placed under the direction of Dr. Narendra Gunaji.⁵

Gunaji had come to NMSU in 1960, one of several young professionals hired to help develop a strong graduate program. Although a master's degree in mechanical engineering had been granted in 1907, regular graduate work was not continued and the granting of the master's degree was not authorized again until 1952. In 1958, the degree Doctor of Applied Science could be "obtained as a joint offering of electrical engineering, physics, and mathematics."⁶

With the approval of the 1959 New Mexico Legislature, six doctoral programs were started at NMSU, three in the College of Arts and Sciences (physics, chemistry, and mathematics) and three in the College of Engineering (civil, mechanical, and electrical engineering). The College of Engineering then used the additional appropriated money to increase library holdings, hire more faculty, and fund some basic research projects; the support of a doctoral program requires the capability of conducting independent research investigations in a suitable environment (well-equipped laboratory).⁷

Dean Thomas and Professor Bromilow had already seen the advantage of having all sponsored activity (requests for research support from outside sources) coordinated through a research organization. Working from this viewpoint, and with a mandate to strengthen the College's graduate and research programs, Dr. Gunaji proceeded to build the Engineering Experiment Station to a position of prominence.

Proposals were made to outside agencies, and as their acceptance gradually increased, the College was able to match the outside money with state appropriations, thereby creating a "new economy" of research funding. Graduate students were attracted by the availability of research assistantships. By the early 1980's, these were being funded completely from outside sources. As faculty members succeeded in obtaining support for their ideas, thus attracting students to explore those ideas, the program grew.⁸

According to an information sheet issued in 1976, "the Station strives to encourage, foster, and promote research, and assist individual research projects in the College. It also administers research funds, integrates multidisciplinary research projects, and facilitates the liaison required with non-university institutions and local, State and Federal agencies." These agencies include the Federal Water Pollution Control Administration (now Environmental Protection Agency), Bureau of Reclamation, Defense Department, National Science Foundation, and Department of the Army. Although the funding sources have primarily been federal agencies, certainly companies such as IBM have also played an important part.

As director of the Engineering Experiment Station, Dr. Gunaji reported directly to the dean of the College. Because he was relieved of such academic responsibilities as evaluation and promotion review, he was able to maintain a closer rapport with, and offer guidance to the faculty.⁹

Dr. Gunaji developed a method of using the funds to the best advantage while providing incentive for the faculty: when money was received from an agency, it went first to the researcher, to be used as needed. Any left-over funds were used to support small research ideas. If an idea appeared to be worth pursuing, the faculty member could apply for a grant for a full-scale project. Gunaji refers to this type of support funding as "seed money."¹⁰

In addition to research programs, the Station provided continuing education, both to the contract agencies, and to the faculty of other institutions. Two examples are the courses offered to personnel of the Bureau of Indian Affairs to increase the efficiency of technical manpower, and a Water Resources Institute given by Gunaji for ten years under the auspices of the National Science Foundation.¹¹

The function of the Engineering Experiment Station has always been research administration. Therefore, the name was changed in 1982 to more accurately reflect the unit's purpose. The Engineering Research Center, which is located in an office next to the dean's office, receives proposals submitted by the faculty, checks accuracy and format, and forwards them to the agencies. It administers the contract when a proposal is accepted, and is responsible for the accounting and for any technical reports which are necessary to satisfy contractual requirements.¹²

Following Narendra Gunaji as director, Keith Carver held the position for two years. Kenneth White filled the post from September 1984 to January 1987, when he became the head of the civil, agricultural, and geological engineering department. In 1987, Sam Maggard took over the directorship of the Engineering Research Center until 1988, when the position was passed on to its present director, Dr. Larryl Matthews.

The tremendous growth in engineering research at NMSU can be seen by comparing the total expenditures in 1960 and in 1986. In that twenty-six year period, the funds increased from \$51,320¹³ to \$1,969,906.¹⁴ The institution ranks within the top 100 universities receiving federal money.

Dr. Gunaji sees this advancement in the area of research as one of the most significant developments in recent years. The university's position of status and prestige is demonstrated both by the uses and

ramifications of the research work done here, and by the accomplishments of NMSU graduates, who are able to fill highly responsible and influential posts in American society.¹⁵

Associate Dean C. Quentin Ford has described four centers of excellence in the Engineering Research Center.

Major projects, and areas of concentration are: Electronic Vision Laboratory in Electrical and Computer Engineering; Transportation Center, primarily for bridge analysis in Civil Engineering; Bioengineering and Enhanced Flow in Chemical Engineering; Thermal Sciences in Mechanical Engineering. All of these activities support the academic program by giving the faculty the opportunity to remain current, while students are employed and able to see the frontiers of engineering being penetrated.¹⁶

Notes

The Early Years, 1888-1913

1. Simon F. Kropp, *That All May Learn* (Las Cruces: New Mexico State University, 1972), p. 2.
2. *Ibid.*, p. 3.
3. Hiram Hadley, "Early History of the Agricultural College," *New Mexico Collegian* 12 (June 1903): 2.
4. The Agricultural College and Experiment Station of New Mexico, *Catalogue for 1890*, p. 4.
5. Burton P. Fleming, "History of Engineering Instruction at New Mexico State College of Agriculture and Mechanic Arts" (Las Cruces: New Mexico State University, 1933), p. 1.
6. *Catalogue for 1890*, p. 5.
7. Kropp, p. 9.
8. Fleming, p. 2.
9. *Ibid.*
10. Fleming, p. 6.
11. Kropp, p. 26.
12. Fleming, p. 2.
13. "The New Course of Study," *New Mexico Collegian* 1 (September 1893): 1.
14. Kropp, p. 39.
15. "Report of the Legislative Inspection of Our College," *New Mexico Collegian* 3 (March 1895): 1.
16. Kropp, p. 57.
17. Fleming, p. 7.
18. Kropp, p. 22.
19. "Early History of the Agricultural College," p. 7.
20. Fleming, p. 2.
21. "Report of the Legislative Inspection of Our College," p. 1.
22. *Ibid.*
23. Fleming, p. 2.
24. Hugh M. Milton II, "Engineering College - N.M.S.U.; From Deans Goddard to Thomas" (Las Cruces: New Mexico State University, n.d.), p. 4.
25. "Our New Shops," *New Mexico Collegian* 3 (October 1895): 2.
26. "Our New Buildings," *New Mexico Collegian* 4 (March 1896): 5.
27. Fleming, p. 8.
28. Brian Jones, "Goddard Hall a Majestic Memory," *Round-Up*, 17 January 1983.
29. "Engineering Department Notes," *New Mexico Collegian* 5 (May-June 1897): 8.
30. "Shops," *New Mexico Collegian* 12 (June 1903): 32.
31. Fleming, p. 5.
32. *Ibid.*, p. 6.
33. Kropp, p. 45.
34. "Report of the Legislative Inspection of Our College," p. 2.
35. Kropp, p. 93.
36. *Ibid.*, p. 76.
7. L. C. Campbell, "Engineering Club Promotes Interest in Class Problems," *Round-Up*, 27 March 1917.
8. Casper Rea, "Southwestern Society of Engineers Will Be Strong," *Round-Up*, 27 March 1917.
9. Casper Rea, "Engineering Corp [sic] Must Be Much Larger," *Round-Up*, 27 March 1917.
10. The United States declared war on Germany April 6, 1917.
11. Velia, p. 47.
12. *Ibid.*, p. 48.
13. Kropp, pp. 152-53.
14. *Ibid.*, p. 158.
15. New Mexico College of Agriculture and Mechanic Arts, *Catalog for 1919-1920; Announcement for 1920-1921*, p. 37.
16. Milton, p. 7.
17. *Ibid.*, p. 15.
18. Velia, p. 50.
19. *Ibid.*, p. 51.
20. *Ibid.*, p. 52.
21. *Ibid.*, pp. 56-57.
22. *Ibid.*, pp. 57-58.
23. *Ibid.*, p. 65.
24. *Ibid.*, p. 70.
25. *Ibid.*, pp. 70-71, 79, 91.
26. Kropp, p. 175.
27. Velia, pp. 75, 76, 85.
28. *Ibid.*, pp. 85, 91.
29. *Ibid.*, p. 91.
30. *Ibid.*, p. 71.
31. Kropp, p. 181.
32. *Ibid.*, p. 32.
33. Velia, p. 117.
34. New Mexico College of Agriculture and Mechanic Arts, *Annual Catalog, 1927-1928; Announcements, 1928-1929*, p. 110.
35. Velia, p. 94.
36. Edward F. Thode and John T. Patton, "History of the Department of Chemical Engineering at New Mexico State University" (Las Cruces: New Mexico State University, 1987), p. 1.
37. New Mexico College of Agriculture and Mechanic Arts, *1926 Swastika*.
38. Thode and Patton, p. 2.
39. Kropp, p. 334.
40. *Ibid.*, p. 203.
41. "'Dad' Jett, Engineer, Teacher, and Administrator," *New Mexico Professional Engineer* 12 (January 1960): 7.
42. Velia, pp. 112, 127.
43. *Ibid.*, p. 113.
44. *Ibid.*, p. 125.
45. *Ibid.*, p. 111.
46. *Ibid.*, p. 124.
47. The amount of voltage was reported by the *El Paso Evening Post*, 1 January 1930; the *Rio Grande Farmer*, 2 January 1930; and the *Round-Up*, 15 January 1930.
48. Velia, pp. 128-34.
49. *Ibid.*, pp. 135-38.
50. *Ibid.*, p. 127.
51. Milton, p. 9.

The Goddard Years, 1914-1929

1. Ann M. Velia, *KOB: Goddard's Magic Mast* (Las Cruces: New Mexico State University, 1972), p. 29.
2. *Ibid.*, p. 41.
3. *Ibid.*
4. Kropp, p. 144.
5. Velia, p. 47.
6. New Mexico College of Agriculture and Mechanic Arts, *Catalog for 1914-1915; Announcements for 1915-1916*, p. 87.

The Leadership of Milton and Jett, 1930–1946

1. Milton, p. 3.
2. Ibid., p. 10.
3. Ibid., p. 11.
4. Ibid.
5. Kropp, p. 210.
6. Ibid., p. 216.
7. Milton, p. 13.
8. Ibid.
9. Milton, p. 14.
10. Kropp, p. 225.
11. Fleming, pp. 8–9.
12. Velia, p. 126.
13. Kropp, p. 214.
14. Velia, p. 150.
15. Ibid., p. 162.
16. Milton, p. 15.
17. M. A. Thomas, "College of Engineering, 1947–1961" (Las Cruces: New Mexico State University, n.d.), p. 6.
18. Milton, p. 15.
19. Ibid.
20. Kropp, p. 249.
21. Milton, p. 17.
22. Ibid., p. 19.
23. "'Dad' Jett," p. 7.
24. Kropp, p. 255.
25. Ibid., p. 256.
26. "National Defense Training Program (1940–1945)," Records of the College of Engineering, Hobson–Huntsinger University Archives, New Mexico State University Library, Las Cruces, New Mexico.
27. New Mexico College of Agriculture and Mechanic Arts, *1942 Swastika*, p. 89.
28. Thomas, "College of Engineering," p. 1.
29. Kropp, p. 291.
30. Ibid., p. 299.
31. C. Quentin Ford, interviewed by Linda Blazer, Las Cruces, 9 March 1988.
32. Kropp, p. 302.
33. Ford interview.
34. M. A. Thomas, interviewed by Jim Laukes, Las Cruces, n.d.

The Thomas Years, 1947–1961

1. This section is an edited version of the paper, "College of Engineering, 1947–1961," by M. A. Thomas.
2. Kropp, p. 365.

Coming of Age, 1962–1987

1. John W. Hernandez, interviewed by Linda Blazer, Las Cruces, 2 February 1988.
2. C. Quentin Ford, "History of NMSU College of Engineering" (Las Cruces: New Mexico State University, 1986), p. 2.
3. Louis W. Kleine, "Engineering Technology History" (Las Cruces: New Mexico, 1987), p. 3.
4. Ford, "History," 1986, p. 2.
5. Thode and Patton, p. 5.
6. Ford, "History," 1986, p. 2.
7. Thode and Patton, p. 10.
8. Maurice E. Hamilton, interviewed by Linda Blazer, Las Cruces, 26 January 1988.
9. C. Quentin Ford, "Engineering at New Mexico State University" (Las Cruces: New Mexico State University, 1963), p. 2.
10. Hernandez interview.
11. Ibid.

12. Ibid.
13. Thode and Patton, p. 7.
14. Ford interview.
15. Hernandez interview.
16. Ford interview.
17. Hernandez interview.
18. Ibid.
19. Ford, "Engineering," 1963, p. 2.
20. Statistics held in the College of Engineering.
21. George Abernathy, interviewed by Linda Blazer, Las Cruces, 8 March 1988.
22. Hernandez interview.
23. Frank F. Carden, interviewed by Linda Blazer, Las Cruces, 25 May 1988.
24. Satish J. Kamat, interviewed by Linda Blazer, Las Cruces, 8 March 1988.
25. Abernathy interview.
26. Louis W. Kleine, interviewed by Linda Blazer, Las Cruces, 26 January 1988.
27. Mack W. Haley, interviewed by Linda Blazer, Las Cruces, spring 1988.
28. Haley interview.
29. George D. Alexander, in response to questionnaire of 8 February 1988.
30. Kleine, p. 8.
31. Herrol J. Skidmore, in response to questionnaire of 8 February 1988.
32. Paul R. Finch, in response to questionnaire of 8 February 1988.

Beginning a Second Century of Excellence, 1988–

1. Abernathy interview.
2. The comments quoted in this section were made in response to questions asked during an interview or by a written questionnaire.
3. Ford interview.
4. Ibid.
5. J. Derald Morgan, interviewed by Linda Blazer, Las Cruces, 17 May 1988.
6. Kamat interview.
7. C. Quentin Ford, interviewed by Jim Laukes, Las Cruces, n.d.
8. Hernandez interview.

Agricultural Engineering

1. M. A. Thomas, "A Brief History of the School of Engineering," (Las Cruces: New Mexico A & M College, 1958), p. 2.
2. Ford, "History," 1986, p. 1.
3. Thomas, "Brief History," p. 2.
4. Abernathy interview. Information for the rest of the section was taken from this interview.

Chemical Engineering

1. This section is an edited version of the paper, "History of the Department of Chemical Engineering at New Mexico State University," by Edward F. Thode and John T. Patton.

Civil Engineering

1. Fleming, p. 2.
2. Ibid., p. 7.
3. New Mexico College of Agriculture and Mechanic Arts, *Catalog for 1913–1914; Announcement for 1914–1915*, p. 106.
4. Ford, "History," 1986, p. 2.
5. "'Dad' Jett," p. 7.
6. Ibid.

7. Hernandez interview.
8. Kropp, p. 347.
9. Hernandez interview.
10. Thomas, "College of Engineering," p. 7.
11. Narenda Gunaji, interviewed by Linda Blazer, Las Cruces, 12 March 1988.
12. Ibid.
13. Ibid.

Electrical and Computer Engineering

1. Carden interview.
2. "The New Course of Study," p. 1.
3. Fleming, p. 7.
4. Velia, p. 39.
5. New Mexico College of Agriculture and Mechanic Arts, *Catalog for 1922-1923; Announcements for 1923-24*, p. 58.
6. Milton, p. 12.
7. M. A. Thomas, interviewed by Louis Kleine, Las Cruces, 5 November 1985.
8. Thomas, "College of Engineering," p. 7.
9. Thomas, interviewed by Kleine.
10. Carden interview. Much of the information for the rest of the section was taken, sometimes verbatim, from this interview.
11. Dr. Javin Taylor.

Engineering Technology

1. "Establishment of The Technical Institute" (announcement by the College of Engineering, New Mexico State University, 1963).
2. Kleine, p. 2.
3. Barbara Powell.
4. Kleine, p. 7.
5. Kleine interview.

Industrial Engineering

1. The information in this section was taken, often verbatim, from the interview with Dr. Satish Kamat.

Mechanical Engineering

1. Fleming, p. 2.
2. *Catalogue for 1890-1891*, p. 7.
3. Fleming, p. 2.
4. Kropp, p. 45.
5. Ibid., p. 53.
6. Ibid.
7. Hugh M. Milton II, interviewed by Jim Laukes, Las Cruces, 20 May 1986.
8. Ibid.
9. Ford interview.
10. Ibid.
11. Ibid.
12. Ibid.

13. Ibid.
14. Ibid.
15. Ibid.
16. Ibid.
17. Ibid.
18. "M.E." (recruitment brochure), Department of Mechanical Engineering, New Mexico State University, 1987.
19. Ibid.
20. "Laser Interferometer Used to Study Mechanical Properties of Materials," *Engineering Research Center Newsletter 2* August 1984): 1.
21. Ibid., p. 2.

Cooperative Education

1. Robert H. Huddleston, "Cooperative Work Study Program" ("Reprinted, by special permission, from the September 1958 issue of the *Journal of The American Society of Training Directors.*"), p. 1.
2. Ibid., p. 2.
3. Ibid.
4. Letter from N. C. Peyton to Professor M. E. Hamilton, 19 July 1965.
5. Kropp, p. 203.
6. Hamilton interview.
7. Ibid.
8. Haley interview.
9. Ford, "Engineering," 1963, p. 3.
10. Hamilton interview.
11. Ibid.
12. Ibid.
13. Ibid.

Engineering Research Center

1. "Engineering Experiment Stations," *New Mexico Collegian 3* (February 1986): 4.
2. "Experiment Station for Engineering," *Round-Up*, 27 March 1917.
3. Ibid.
4. Thomas, "Brief History," p. 7.
5. Gunaji interview.
6. Thomas, "Brief History," p. 3.
7. Gunaji interview.
8. Ibid.
9. Ibid.
10. Ibid.
11. Ibid.
12. Kamat interview.
13. "Engineering Experiment Station" (information sheet), College of Engineering, New Mexico State University, 1976.
14. "New Mexico State University," *Engineering Education* (March 1987): 475.
15. Gunaji interview.
16. Ford, "History," 1986, p. 3.

ENGINEERING ADMINISTRATORS

1914 - Present

Deans

1914-20	Arthur F. Barnes	1947-61	Melvin A. Thomas
1920-29	Ralph W. Goddard	1961-74	Frank Bromilow
1930-32	James T. Rood	1975-80	John W. Hernandez
1932-34	Burton P. Fleming	1980-81	C. Quentin Ford
1935-38	Hugh M. Milton	1981-85	Joseph Genin
1938-47	Daniel B. Jett	1985-	J. Derald Morgan

Associate Deans

1960-68	Jesse P. Morgan	1975-88	C. Quentin Ford
1968-74	Roger M. Zimmerman	1988-	J. Eldon Steelman

Assistant Dean

1988- Joe L. Creed

Engineering Research Center Directors

1964-82	Narendra N. Gunaji	1987-88	Samuel P. Maggard
1982-84	Keith Carver	1988-	Larryl K. Matthews
1984-87	Kenneth R. White		

Assistant to the Dean

1980- Rose Marie Melon

ENGINEERING FACULTY

1891 - Present

1891-1960 New Mexico College Of Agriculture And Mechanic Arts 1960- New Mexico State University

1891-1914 Department Of Engineering

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Frederick L. Bixby	1909-1916	Professor civil & irrigation	B.S., Univ. of Calif., 1904
Dean Ward Bloodgood	1912-1932	Assistant irrigation, 1912-15 Irrigation engineer 1916-32	B.S.M.E., NMCA & MA, 1908;
Frank W. Brady	1895-1900	Professor irrigation & mechanical Professor civil & mechanical	B.M.E., Purdue Univ., 1888; M.E., <i>ibid.</i> , 1894
J. R. Burkey	1908-1909	Assistant professor civil 1909	C.E., Ohio State Univ., 1908
Elmer I. Chute	1903-1904	Assistant mechanical	A.B.E.E., Univ. of Tenn, 1904
DuVal Garland Cravens	1897-1898	Assistant engineering department	B.S.
Burton P. Fleming	1906-1909	Professor irrigation See also 1932 - civil	M.E., Cornell Univ., 1906
J. Jacob Grieb	1908-1909	Assistant mechanical	B.S.M.E., Clarkson Memorial Shool of Tech., 1908
Clarence T. Hagerty	1893-1894 1908-1914	Professor civil	B.S., Notre Dame Univ., 1890; M.S., <i>ibid.</i> , 1895
George K. Kable	1913-1914	Asst. 1913 & asst. prof. irrig. 1914	B.S., Univ. of California
James S. Macgregor	1901-1903	Assistant mechanical	B.S., NMCA & MA, 1902
John George Miller	1905-1908	Assistant mechanical	B.S.M.E., NMCA & MA, 1907
Charles Mills	1900-1905	Assistant professor mechanical 1901 Mechanical department head 1902	No information
Charles E. Paul	1904-1908	Professor mechanical	S.B., M.I.T., 1900
Roy L. Phelps	1910-1911	Assistant irrigation	No information
W. M. Reed	1899-1900	Professor civil & irrigation	C.E., Univ. of Vermont
Horace Ropes	1894-1896	Professor civil & mechanical	B.S.
Archibald Bruce Sage	1899-1914	Asst. & asst. prof. mech. 1900-07 Prof. mech. & elect. 1907-14 Department head 1908-14	B.S., NMCA & MA, 1900; M.S., <i>ibid.</i> , 1911
William F. Schaphorst	1906-1911	Assistant mechanical 1906 Assistant prof. mechanical 1907-11	B.S., S. Dakota Ag. Coll., 1905; M.E., <i>ibid.</i> , 1908
Lloyd Blaine Selby	1911-1914	Assistant professor mechanical	B.S.M.E., W. Viginia Univ. 1908; M.E., <i>ibid.</i> , 1909
George P. Stocker	1909-1915	Assistant professor civil 1909-14 Associate professor civil 1914-15	B.S.C.E., Univ. Wisconsin, 1909
Jay B. Stoneking	1908-1913	Assistant irrigation	M.E., NMCA & MA, 1908
G. E. West	1910-1911	Assistant mechanical	No information
August J. Wiehardt	1891-1894	Professor mechanical	M.M.E., Cornell Univ.
Clarence Clyde Winn	1911-1914	Assistant mechanical & electrical	B.S.M.E., Purdue Univ., 1908

College Of Engineering Established - 1914

1914-Present

1. Department of Agricultural Engineering

1919-33 Department of Agricultural Engineering
 1948-86 Department of Agricultural Engineering
 1986- Department of Civil, Agricultural, and Geological Engineering

HEADS

1948-51	Charles T. Bourns	1986-87	Conrad C. Keyes (CAGE)
1951-79	Eldon Hanson	1987-	Kenneth R. White (CAGE)
1979-86	George H. Abernathy		

AG. E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
George H. Abernathy	1957-1986	Professor 1976 Department head 1979-86	Ph.D., Oklahoma St. Univ., 1967
Jose F. Alfaro	1967-1972	Associate professor	Ph.D., Utah State Univ., 1967
Charles T. Bourns	1948-1951	Professor Department head 1948-51	M.S., Texas A&M Univ., 1947
Lyle Currie Dalton	1971-1973	Assistant professor	B.S., Texas Tech. Univ., 1930
James Dean	1975-1987	Associate professor 1986	M.S., Texas A&M Univ., 1971
Robert S. Freeburg	1959-1987	Associate professor 1969	M.S., NMSU, 1964
Kenneth Frost	1945-1948	Associate professor	M.S., Univ. of Calif, 1933
Eldon Hanson	1949-1979	Professor Department head 1951-79	M.S., Utah State Univ., 1948
Arthur Henry Hoffman	1917-1919	Assistant professor	B.S. Ag. E., Iowa State College 1914; B.S.E.E. <i>ibid.</i> , 1915
Terry Howell	1975-1976	Assistant professor	Ph.D., Texas A&M Univ., 1974
Robert Hulsman	1979-1986	Assistant professor	Ph.D., Utah State Univ., 1979
Craig. E. Kallsen	1981-1982	Assistant professor	M.S., Univ. of Calif.-Davis, 1979
Fred Richard Powers	1919-1921	Assistant professor	B.S. Ag. E., Univ. of Illinois, 1915
Theodore W. Sammis	1977-1987	Associate professor 1986	Ph.D., Univ. of Arizona, 1974
Alvin E. Stewart	1948-1951 1961-1967	Associate professor 1952	M.S., Texas A&M Univ., 1948
Zariel Gay Tyson	1949-1960	Assistant professor 1953	M. Ag., Univ. of Florida, 1949
Lambert H. Wilkes	1955-1958	Associate professor	M.S., Texas A&M Univ., 1952

2. Department of Chemical Engineering

1926-49 Department of Chemistry and Chemical Engineering
 1949- Department of Chemical Engineering

Faculty

HEADS

1926-48	Clayton W. Botkin (Chem. & Ch. E.)	1975-77	Kermit L. Holman (acting)
1948-49	Alvin D. Boston (Chem. & Ch. E.)	1977-88	John T. Patton
1949-63	Luke B. Shires	1988-	Rohinton K. Bhada
1963-74	Edward F. Thode		

CH. E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Paul D. Babcock	1977-1981	Assistant professor	Ph.D., Lehigh Univ., 1975
Harold M. Belkin	1964-1979	Associate professor	Ph.D., Carnegie-Mellon Univ., 1954
Rohinton K. Bhada	1988-	Professor Department head 1988	Ph.D., Univ. of Michigan, 1968
Ricardo Bogaert	1986-	Assistant professor	Ph.D., Univ. of Delaware, 1986
Michael Cho	1988-	Associate professor	Ph.D., Univ. of Houston, 1977
Joe L. Creed	1983-	Assistant professor Assistant dean of engr. 1988-	M.S., NMSU, 1986
Francisco Del Valle	1986-	Professor	Ph.D., M.I.T., 1965
Harry Folster	1968-1980	Professor 1979	Ph.D., Univ. of Maine, 1969
Edward Groth	1976-1983	Assistant professor	Sc.D., Yale Univ. 1941
Fred Sumner Hanson	1948-1951	Assistant professor	Ph.D., Lawrence College, 1939
William B. Hayes	1960-1962	Associate professor	Ph.D., Texas A&M Univ., 1958
Kermit L. Holman	1965-1977	Professor 1975 Acting department head 1975-77	Ph.D., Iowa State Univ., 1964
Murty Kuntamukkula	1979-1982	Assistant professor	Ph.D., Rice Univ., 1976
Richard Long	1981-	Assistant professor	Ph.D., Rice Univ. 1973
Kenneth McCorckle	1980-1987	Associate professor	Ph.D., Univ. Tenn.-Knoxville 1966
John T. Patton	1977-	Professor Department head 1977-88	Ph.D., Oklahoma State Univ., 1959
Allen Rakow	1981-	Associate professor	D.Sc., Washington Univ., 1974
Dinwiddie C. Reams	1955-1958	Assistant professor	M.E., Yale Univ. 1950
Rudolf Roubicek	1982-	Professor	D.Sc., Czechoslovakia Tech. Univ., 1949
Henry P. Sheng	1957-1962	Assistant professor	M.S., Purdue Univ. 1958
Luke B. Shires	1926-1965	Professor 1948 Department head 1949-63	M.S., Penn State 1926; Ch.E., Ohio Northern Univ. 1928
Edward F. Thode	1963-86	Professor Department head 1963-74	Sc.D., M.I.T., 1947
Donald Bruce Wilson	1964-88	Professor 1973	Ph.D., Princeton Univ., 1973

3. Department Of Civil, Agricultural, and Geological Engineering

1914-19	Department of Civil Engineering and Department of Irrigation Engineering (separate)
1919-26	Department of Civil and Irrigation Engineering
1926-86	Department of Civil Engineering
1986-	Department of Civil, Agricultural, and Geological Engineering

HEADS

1915-16	Raymond Matthew	1961-62	John W. Clark
1916-22	John W. Jourdan	1962-66	Russell C. Brinker
1922-24	Ernest C. White	1966-78	Samuel P. Maggard
1924-33	Harvey O. Garst	1978-87	Conrad C. Keyes
1933-56	Daniel B. Jett	1987-	Kenneth R. White
1957-61	Frank Bromilow		

CAGE FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
A. Kulathu Aiyer	1981-	Associate professor	Ph.D., Univ. of Illinois, 1969
John Babcock Baker	1931-1934	Assistant materials engr.	M.S., Univ. of Illinois, 1924
William Barkley	1971-1981	Professor 1978	Ph.D., Virginia Polytech. Inst., 1970
Edgar L. Barrows	1917-1923	Assistant irrigation	Student, Univ. Mich., 1905-08
Allie W. Blair	1987-	Assistant professor	Ph.D., Univ. Texas/Austin, 1985
Charles F. Bird	1941-1942	Assistant professor	M.S., Univ. Michigan, 1938
David Blanchard	1981-1986	Assistant professor	M.S., Texas A&M Univ., 1970
Charles H. Bonney	1941-1948	Assistant professor	B.S., NMCA & MA, 1933
Russell C. Brinker	1961-1982	Professor Department head 1962-66 Visiting professor 1972-82	M.S., Univ. of Minnesota, 1933
Frank Bromilow	1951-1974	Professor Department head, 1951-61 Dean of engineering 1961-74	M.S., Univ. of Pittsburgh, 1939
Labry Brown	1948-1952	Associate professor	M.S.C.E., Georgia School of Tech., 1932
John Cabrera	1982-1983	Associate professor	Ph.D., Cornell Univ., 1971
Fernando Cadena-C	1980-	Associate professor 1984	Ph.D., Calif. Inst. of Tech., 1977
Lawrence C. Campbell	1926-1934	Materials engineering	B.S.C.E., NMCA & MA, 1919
Lokesh N. Chaturvedi	1977-1983	Associate prof. geological engr. 1979	Ph.D., Cornell, 1969
John William Clark	1953-1979	Professor 1958 Department head 1961-62	M.S., Missouri School of Mines, 1953
Albert Samuel Curry	1923-1935	Associate irrigation	B.S.A., NMCA & MA, 1923
Bob J. Donham	1958-1962	Assistant professor 1961	M.S., NMSU, 1960
Elton G. Endebrock	1964-1975	Associate professor 1968	Ph.D., Univ. of Arizona, 1964
Burton P. Fleming	1932-1934	Professor Dean of engineering 1932-34	M.E., Cornell Univ., 1906
Harold Ganow	1985-	Associate professor	Ph.D., Univ. of Illinois, 1975
Harvey Oden Garst	1923-1932	Professor civil	B.S.C.E., Univ. of Missouri, 1909; C.E., <i>ibid.</i> , 1922
Thomas G. Gebhard	1967-1976	Associate professor 1970	M.S., Univ. Austin Texas, 1968
Narendra N. Gunaji	1960-1986	Professor 1967 Research director 1964-82	Ph.D., Univ. of Wisconsin, 1958
R. J. Hammersmith	1959-1962	Assistant professor	B.C.E., Univ. of Minnesota, 1950
John W. Hernandez	1965-	Professor 1968 Dean of engineering 1975-80	Ph.D., Harvard-Radcliffe, 1965
Frank A. Hitchcock	1916-1918	Professor civil	M.S.C.E., Christian Bros. Coll., 1916
Ti Huang	1959-1967	Assistant professor	Ph.D., Univ. of Michigan, 1960

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Willie P. Isaacs	1967–1986	Professor 1969	Ph.D., Oklahoma St. Univ., 1967
Ricardo Jacquez	1981–	Associate professor	Ph.D., Virginia Polytechnic Inst., 1976
Roy T. Jennings	1956–1960	Professor 1958	M.S., Univ. of Tennessee, 1937
Daniel Boone Jett	1926–1956	Professor Department head 1933–56 Dean of engineering 1938–47	B.S.C.E., Univ. Missouri School of Mines & Metallurgy, 1926
John William Jourdan	1917–1922 1932–1935	Asst. prof. irrig. engr. 1917, Asst. prof. civil & irrig. 1919, Asst. prof. civil 1933–35	B.S.C.E., Purdue Univ., 1913
Conrad C. Keyes	1966–1987	Professor 1977 Department head 1978–87	Sc.D., NMSU, 1966
Chester C. Kisiel	1962–1964	Associate professor	M.P.H. Univ. of Pittsburgh, 1959
Donald A. Linger	1960–1963	Associate professor	Ph.D., Iowa State Univ., 1960
Jesse V. Lunsford	1958–1985	Professor 1965	M.S., Univ. of Calif., 1954
Samuel P. Maggard	1963–	Professor 1967 Department head 1966–78 Research director 1987–88	Ph.D., Purdue, 1963
Raymond Matthew	1915–1916	Instructor irrigation engr.	B.S.C.E., Univ. of Calif., 1915
Bernard C. McBeath	1959–1962	Associate professor	M.S., Stanford Univ., 1951
William McCarthy	1980–	Associate professor 1985	Ph.D., NMSU, 1980
Ronald McPherson	1981–	Associate professor	Ph.D., West Virginia Univ., 1968
William Midkiff	1970–1974	Assistant professor	Ph.D., Univ. of Michigan, 1969
Otis E. Miller	1966–1969	Assistant professor	M.S., NMSU, 1958
John Minor	1970–1988	Professor 1980	Ph.D., Rice Univ., 1970
Jesse Patrick Morgan	1931–1936	Assistant materials engr. Associate dean of engr. 1960–68	B.S.M.E., NMCA & MA, 1929
Dwayne Nielson	1964–1970	Associate professor 1968	Ph.D., Univ. of Arizona, 1966
Oliver Payne	1946–1961	Assistant professor 1953	B.S., Valparaiso Univ., 1921
James Post	1969–1970	Associate professor	Ph.D., Univ. of Arizona, 1966
Richard N. Pugh	1949–1955	Assistant professor	M.S., Univ. of Rochester, 1949
Fay M. Raymond	1923–1926	Instructor of civil engr.	B.S.C.E., Iowa St. Univ. 1920
Daniel Stucker Robbins	1918–1930	Instructor general engineering Acting dean of engineering 1930	M.S., Univ. Valparaiso, 1894; Ph.D., <i>ibid.</i> , 1907
Lloyd R. Robinson	1962–1965	Assistant professor	M.S., Univ. of Kansas, 1958
George V. Sabol	1977–1984	Associate professor 1980	Ph.D., Colorado State Univ., 1974
Zohrab A. Samani	1987–	Assistant professor	Ph.D., Utah State Univ., 1983
Stuart Hobbs Sims	1935–1941	Associate professor 1938 Acting department head 1938–39	B.S.C.E., Univ. of Michigan, 1903
Richard E. Speece	1966–1970	Associate professor	Ph.D., M.I.T., 1961
Frank W. Stout	1963–1965	Assistant professor	M.S., Univ. of Delaware, 1956
William Sublette	1979–1982	Assistant professor 1981	Ph.D., Univ. of Arizona, 1979
Yucel R. Tokuz	1987–	Assistant professor	Ph.D., Univ. Illinois/Urbana, 1981
Leonard A. Traina	1967–	Professor 1978	Ph.D., Univ. of Wisconsin, 1968
Warren Viessman, Jr.	1961–1966	Associate professor 1964	Ph.D., John Hopkins Univ., 1963
Timothy Ward	1980–	Professor 1986	Ph.D., Colorado State Univ., 1976
Fred Louis Weeks	1925–1927	Materials engr.	M.S.C.E., Univ. Wisconsin, 1925
Ernest Charles White	1921–1924	Professor civil & irrigation	B.S.C.E., Norwich Univ., 1908; C.E., <i>ibid.</i> , 1915

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Kenneth R. White	1970–	Professor 1980 Department head 1987– Research director 1984–87	Ph.D., Texas Tech. Univ., 1970
Charles Clay Withrow	1946–1949	Assistant professor	B.S., Rose Polytech, 1925
Roger M. Zimmerman	1964–1981	Professor 1970 Associate dean of engr. 1968–74 Acting dean of engineering 1974–75	Ph.D., Univ. of Colorado, 1965

4. Department of Electrical and Computer Engineering

1914–73	Department of Electrical Engineering
1973–	Department of Electrical and Computer Engineering

HEADS

1914–29	Ralph W. Goddard	1956–68	Harold A. Brown
1930	William E. Carroon (acting)	1968–87	Frank F. Carden
1930–32	James T. Rood	1987–	Javin M. Taylor
1932–56	Melvin A. Thomas		

E. & C.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Frank Amador	1935–1946	Assistant professor 1941	M.S., Univ. of Kansas, 1935
John Barton, Jr.	1957–1959	Assistant professor	M.S., Oklahoma St. Univ., 1955
Raymond J. Black, Jr.	1955–	Associate professor 1968	M.S., NMCA & MA, 1956
Paul F. Boulay	1960–1967	Assistant professor	M.S., Univ. of Arizona, 1960
Harold A. Brown	1937–1970	Professor 1956 Department head 1956–68	M.S., Oklahoma A&M, 1932
Thomas Bush	1978–1979	Assistant professor	Ph.D., Univ. of Kansas, 1977
Frank F. Carden	1966–	Professor 1969 Department head 1968–87	Ph.D., Oklahoma St. Univ., 1965,
William E. Carroon	1919–1931	Associate professor 1928 Acting department head 1930	B.S.E.E., NMCA & MA, 1921
Keith Carver	1969–1985	Professor 1977 Research director 1982–84	Ph.D., Ohio State Univ., 1967
Steven Castillo	1987–	Assistant professor	Ph.D., Univ. of Illinois, 1987
Edgar Coffey	1978–1979	Assistant professor	Ph.D., Virginia Polytech, 1976
Howard Coleman	1958–1973	Assistant professor	M.S., Oregon State Univ., 1933
Donald Crosno	1947–1972	Professor 1958	Ph.D., Iowa State Univ., 1933
James H. Davis	1973–1979	Associate professor 1977	Ph.D., Univ. of Wisconsin, 1970
Donald W. Dearholt	1965–1984	Associate professor	Ph.D., Univ. of Washington, 1965
Richard H. Duncan	1954–1962	Associate professor	Ph.D., Univ. of Missouri, 1954
Mohammad El-Moslimany	1960–1964	Associate professor 1963	Ph.D., Univ. of Michigan, 1960
Mehdi Etezadi-Amoli	1975–1979	Assistant professor 1977	Sc.D., NMSU, 1974
Gerald M. Flachs	1969–	Professor 1977	Ph.D., Michigan State Univ., 1967

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Michael Giles	1982–Present	Associate professor	Ph.D., Univ. of Arizona, 1976
Ralph Willis Goddard	1914–1929	Professor Department head 1914–29 Dean of engineering 1920–29	B.S.E.E., Worcester Polytech. Inst., 1911
Robert Golden	1978–	Professor 1985	Ph.D., Univ. Calif. Berkeley, 1966
Leonard Edward Gough	1947–1952	Assistant professor	M.S., Ohio State Univ., 1947
Gary Hancock	1981–	Associate professor 1987	Ph.D., Univ. of Arkansas, 1981
Michael Hankamer	1982–1983	Assistant professor	Ph.D., NMSU, 1978
Stephen Horan	1986–	Assistant professor	Ph.D., NMSU, 1984
Eric Johnson	1986–	Assistant professor	Ph.D., NMSU, 1988
Jay Jordan	1986–	Associate professor	Ph.D., NMSU, 1984
Paul E. Kepner	1956–1961	Assistant professor	M.S., NMCA & MA, 1957
William H. Kersting	1962–	Professor 1974	M.S., Illinois Institute of Tech., 1961
Kaiser Kunz	1960–1971	Research professor	Ph.D., Univ. of Cincinnati, 1939
Walden H. Kunz	1961–1965	Associate professor	A.B., Indiana Univ., 1932
George W. Lucky	1964–1987	Professor 1970 Interim associate dean 1980–81	Ph.D., Oklahoma St. Univ., 1964
Lonnie Ludeman	1968–	Professor 1980	Ph.D., Arizona State Univ., 1968
John R. McNeil	1980–1982	Assistant professor 1981	Ph.D., Colorado State Univ., 1977
Don M. Merrill	1964–	Professor 1980	Ph.D., Univ. of Utah, 1964
William R. Mc Spadden	1959–1969	Associate professor 1966	Ph.D., Univ. of Washington, 1965
Dearald Morgan	1985–	Dean of engineering 1985–	Ph.D., Arizona State Univ., 1968
Clem Ota	1979–1982	Research professor	Ph.D., NMSU, 1976
Ramon Parra–Loera	1988–	Assistant professor	Ph.D., NMSU, 1986
Ivan Perez–Mendez	1979–1981	Research professor	Ph.D., NMSU, 1978
Warren Pollard	1983–	Assistant professor	M.S., Univ. of Arizona, 1973
Harry A. Posner	1966–1968	Assistant professor	M.S., NMSU, 1960
Shiela Prasad	1961–1968	Associate professor	Ph.D., Harvard Univ., 1959
Y. N. Rama Rau	1967–1969	Assistant professor	D.Sc., NMSU, 1967
Satishkumar Ranade	1981–	Associate professor 1987	Ph.D., Univ. of Florida, 1981
Russell L. Riese	1946–1957	Assistant professor	M.S., Oklahoma A&M, 1950
Roger Roberge	1969–1975	Associate professor 1973	Ph.D., Colorado St. Univ., 1969
James Theron Rood	1930–1932	Professor Department head 1930–32 Dean of engineering 1930–32	Ph.D., Clark Univ., 1906
Stewart Schleusener	1965–	Professor 1974	Ph.D., Iowa State Univ., 1964
Tom Shay	1988–	Associate professor	Ph.D., Colorado State Univ., 1978
Howard Smolleck	1979–	Associate professor	Ph.D., U. Texas–Arlington, 1975
An–hwa Soong	1960–1962	Assistant professor	Ph.D., Univ. of Michigan, 1960
Eldon Steelman	1968–	Professor 1987 Associate dean of engr. 1988	Ph. D., U.N.M., 1965
Javin M. Taylor	1977–	Professor 1983 Acting department head 1987–	Ph.D., Univ. of Wyoming, 1976
Melvin Aubrey Thomas	1931–1967	Professor 1934 Department head 1932–56 Dean of engineering 1947–61	M.S., Univ. of Texas, 1931
Wiley Thompson	1968–	Professor 1978	Ph.D., Michigan State Univ., 1968

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Walter L. Weeks	1959–1962	Professor	Ph.D., Univ. of Illinois, 1958
William Wheless	1987–1988	Assistant Professor 1988	M.S., Georgia Inst. Tech., 1974
Carl Morgan Wolfe	1934–1937	Assistant professor	Ph.D., Calif. Inst. of Tech., 1932
James R. Young	1960–1964	Associate professor	Ph.D., Univ. of Illinois, 1960

5. Department of Engineering Technology

1963–65 The Technical Institute
1965– Department of Engineering Technology

HEADS

1963–85 Louis Kleine 1985– George D. Alexander

E.T. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
George D. Alexander	1978–	Professor 1985 Department head 1985–	Ph.D., NMSU, 1972
Ambrose Barry	1982–1987	Assistant professor	M.S., Auburn Univ., 1971
Gail Barton	1982–1988	Assistant professor	M.S., U.N.M., 1970
Jeffrey S. Beasley	1988–	Assistant professor	M.S., NMSU, 1988
David Bollschweiler	1980–	Assistant professor 1980	M.S., NM Mining & Tech. 1981
Alphonso Bowers	1968–1983	Associate professor 1970	M.S., NMSU, 1962
Robert Cameron	1978–	Associate professor 1984	M.S., Univ. Texas/EI Paso, 1968
Myron E. Cherry	1967–1985	Associate professor 1978	M.S., New York Univ., 1960
Leon Cox	1977–	Associate professor 1983	M.S., NMSU, 1974
Richard Dolejsi	1964–1969	Associate professor 1968	M.S., Indiana State Univ., 1960
C. Stuart Ferrell	1988–	Assistant professor	Ph.D., Univ. Mo./Rolla, 1971
Bill Fleming	1970–	Professor 1983	M.S., NMSU, 1966
Thomas Hellmuth	1986–	Assistant professor	M.S., Colorado State Univ., 1980
Clarence Hough	1976–1978	Assistant professor	M.S., Univ. of Texas/Arlington, 1971
William B. Hudson	1986–	Assistant professor	M.S., NMSU, 1986
Louis Kleine	1954–1985	Professor 1967 Department head 1963–85	M.S., NMSU, 1957
Karl F. Krauss	1982–	Assistant professor 1983	B.S. Architecture, Univ. Mich., 1947
Otis E. Miller	1966–1969	Assistant professor	M.S., NMSU, 1958
Marvin Murray	1969–1970	Assistant professor	M.S., NMSU, 1965
Mell A. Peterson Jr.	1986–	Assistant professor	M.S., Physics, U.S. Naval Post graduate School, 1962
Barbara J. Powell	1985–	Assistant professor	M.S., NMSU, 1985
Guillermo Rico	1985–	Assistant professor	Ph.D., NMSU, 1988
Alfonso S. Romero	1983–	Associate professor 1988	M.A., NMSU, 1981
Michael Roseborough	1982–1987	Assistant professor	M.S., Univ. of Texas/Austin 1972
Herrol (Jim) Skidmore	1978–	Professor 1986	M.S., Univ. of Illinois, 1961

6. Department of Industrial Engineering

1969– Department of Industrial Engineering

HEADS

1969–72	William C. Arnwine	1982–88	Arun G. Walvekar
1973–76	Phillip E. Hicks	1988–	Satish J. Kamat
1976–82	Satish J. Kamat		

I.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Karl H. Agar	1983–1985	Associate professor	Ph.D., NMSU, 1980
William C. Arnwine	1969–1972	Professor Department head 1969–72	Ph.D., Iowa State Univ., 1967
Jesus A. Bautista	1985–	Assistant professor	M.S., NMSU, 1985
Michael Burke	1981–	Assistant professor	M.S., Ohio State Univ., 1980
J. Kent Butler	1970–1972	Assistant professor	Ph.D., Arizona St. Univ., 1970
Dean Duncan	1978–1981	Assistant professor	Ph.D., Texas A&M Univ., 1976
Almoez Eltouny	1977–1978	Assistant professor	Ph.D., Iowa State Univ., 1975
James W. Field	1969–1975	Associate professor	B.S., NMSU, 1938
Paul R. Finch	1976–	Associate professor 1981	Ph.D., Univ. of Arizona, 1979
Robert Gourley	1973–1975	Assistant professor	Ph.D., Oklahoma St. Univ. 1973
Phillip E. Hicks	1973–1976	Professor Department head 1973–76	Ph.D., Georgia Inst. of Tech., 1966
Satish Kamat	1970–	Professor 1980 Department head 1976–1982 1988–	Ph.D., Texas Tech. Univ., 1970
Ben F. Lyle	1969–1971	Assistant professor	M.S., Univ. of Tennessee, 1966
Mary Ann Maher	1984–	Associate professor	Ph.D., Univ. of Rochester, 1979
Chennupati Rao	1978–1980	Assistant professor	Ph.D. Texas A&M Univ., 1976
Arun Walvekar	1976–	Professor 1978 Department head 1982–88	Ph.D., Illinois Inst. Tech., 1967
Richard Wolf	1973–1977	Assistant professor	Ph.D., Texas Tech. Univ., 1973

7. Department of Mechanical Engineering

1914– Department of Mechanical Engineering

HEADS

1914–20	Arthur F. Barnes	1941–60	Arch M. Lukens
1920–21	Norman N. Tilley	1960–71	C. Quentin Ford
1921–23	Otto B. Goldman	1971–75	Marshall M. Sluyter
1923–24	John A. Herrington	1975–88	Phillip R. Smith
1924–35	Hugh M. Milton	1988–	George P. Mulholland
1935–41	Marcy T. Lewellen		

M.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Albert E. Anuta	1963–1967	Assistant professor 1965	M.S., Purdue Univ., 1958
Arthur F. Barnes	1914–1920	Professor Department head, 1914–20 Dean of engineering 1914–20	B.S.M.E., Worcester – Polytech. Inst., 1908

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Fred Baumgartner	1942–1945	Assistant professor	M.E., Institute of Tech. Burgdorf, Switzerland
Charles C. Blackwell	1964–1967	Assistant professor	M.S., Southern Methodist Univ., 1960
Gordon P. Blair	1963–1965	Assistant professor	Ph.D., Queens Univ. Belfast, Ireland, 1962
George Boley	1968–1973	Associate professor	M.S., Michigan State Univ., 1960
John Henry Butler	1929–1941	Assistant professor 1936	B.S.M.E., Univ. Kentucky, 1929
Norman Byers	1968–1973	Professor	Ph.D., Kansas State Univ., 1965
David Chen	1981–1983	Assistant professor	Ph.D., Arizona State Univ., 1977
John Cherng	1978–1982	Research professor	Ph.D., Univ. of Tennessee, 1977
Vincent Choo	1985–	Assistant professor	Ph.D., Univ. of Liverpool, 1982
Jack Fred Clark	1935–1941	Assistant professor	B.S.M.E., Iowa St. College, 1922
Milan H. Cobble	1962–1985	Professor	Ph.D., Univ. of Michigan, 1958
Richard C. Coddington	1966–1968	Assistant professor	Ph.D., Univ. of Kansas, 1966
Richard Colbaugh	1986–	Assistant professor	Ph.D., Penn. State Univ., 1986
M. D. Creech	1955–1968	Professor 1958	M.S., Oklahoma Univ., 1930
R. Egermeier	1957–1963	Assistant professor	M.S., NMCA & MA, 1957
Donald Fenton	1977–1987	Associate professor 1983	Ph.D., Univ. of Illinois, 1974
J. W. Field	1946–1969	Assistant professor 1956 (See also industrial engineering.)	B.S., NMCA & MA, 1938
C. Quentin Ford	1959–1988	Professor Department head 1960–71 Associate dean of engr. 1974–88	Ph.D., Michigan State Univ., 1959
Joseph Genin	1981–	Professor Dean of engineering 1981–85	Ph.D., Univ. of Minnesota, 1963
H. L. Gephart	1961–1975	Assistant professor	M.S., Calif. Inst. of Tech., 1946
Joel Gilbert	1982–1984	Associate professor	Ph.D., Univ. of Oklahoma, 1965
Otto Berger Goldman	1922–1924	Professor Department head 1921–23	B.S.E.E., Univ. of Calif., 1903
M. E. Hamilton	1960–	Associate professor 1966	M.S., Purdue Univ., 1959; Ed.D. UNM, 1969
Harry C. Hardee	1966–1968	Assistant professor	Ph.D., Univ. of Texas, 1966
J. M. Hardgrave	1947–1985	Professor, 1971	M.S., Colorado Univ., 1950
Edward Hensel	1986–	Assistant professor	Ph.D., NMSU, 1986
John A. Herrington	1923–1924	Professor Department head 1923–24	M.E., Texas Agricultural & Mech. College, 1916
R. Dean Hill	1982–	Professor	Ph.D., Mich. St. Univ., 1962
Richard Hills	1981–	Associate professor 1985	Ph.D., NMSU, 1979
Ralph B. Hubbard	1966–1970	Assistant professor	Ph.D., Univ. of Wisconsin, 1967
Wendell Hull	1974–1988	Associate professor 1978	Ph.D., Univ. of Toledo, 1975
Richard Ernest James	1949–1953	Assistant professor	M.E., Univ. of Oklahoma, 1947
John Jozwik	1957–1965	Assistant professor	M.S., NMSU, 1959
L. Kleine	1954–1963	Assistant professor 1958 (See also engineering technology.)	M.S., NMCA & MA, 1957
Jerry Ku	1985–1988	Assistant professor	Ph.D., SUNY–Buffalo, 1984
Leo Lafrance	1977–	Associate professor 1981	Ph.D., Purdue Univ., 1974
Ian Leslie	1984–	Assistant professor	M.S., Univ. of Michigan, 1977

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Marcy Thomas Lewellen	1928–194	Professor, 1936 Department head 1935–41	B.S.M.E., Iowa State Univ., 1921 M.E., <i>ibid.</i> , 1930
Arch M. Lukens	1941–1964	Professor Department head 1941–60	M.S., Colorado Univ., 1927; M.E., <i>ibid.</i> , 1929
Edward Lumsdaine	1977–1981	Professor	Sc.D., NMSU, 1966
Raymond P. Lutz	1964–1969	Associate professor 1968	Ph.D., Iowa State Univ., 1964
Champ C. Magruder	1949–1950	Assistant professor	B.S.E.E., NMCA & MA, 1936, B.S.M.E., <i>ibid.</i> , 1948.
Thomas Mancini	1975–1985	Professor 1984	Ph.D., Colorado State Univ., 1975
Larryl Matthews	1982–	Associate professor 1986– Research director 1988–	Ph.D., Purdue Univ., 1982
Hugh Meglone Milton	1924–1947	Professor 1924 Department head 1924–35 Dean of engineering 1935–38 President of the university 1938–47	M.E., Univ. of Kentucky, 1922
Jesse P. Morgan	1946–1967	Associate professor 1957 Associate dean of engr. 1960–67	B.S., NMCA & MA, 1929
George Mulholland	1966–	Professor 1978 Department head 1988–	M.S., NMSU, 1962; Ph.D., Okla. State Univ. 1967
Andrzej Nalecz	1984–1986	Assistant professor	Ph.D., Warsaw Tech. Inst./Poland, 1978
Herluf P. Neilson	1934–1935	Assistant professor	Ph.D., Univ. Minnesota, 1933
Glenn F. Panlener	1946–1966	Assistant professor	B.S., Purdue Univ., 1935
Ronald Pederson	1984–	Associate professor	Ph.D., Univ. of Minnesota, 1976
Robert San Martin	1969–1983	Professor 1979	Ph.D., Univ. of Florida, 1969
A. R. Shouman	1960–1987	Professor 1967	Ph.D., Univ. of Iowa, 1956
Marshall M. Sluyter	1971–1975	Professor Department head 1971–75	Ph.D., Illinois Inst. of Tech., 1964
Phillip R. Smith	1964–	Professor 1972 Department head 1975–88	Ph.D. Univ. of Kansas, 1966
John Mark Stephenson	1947–48 1954–1960	Assistant professor 1954	M.S., Univ. of Texas, 1949
Norman Nevil Tilley	1920–1921	Professor Department head 1920–21	M.E., Cornell Univ., 1915
Robert Urban	1967–1974	Assistant professor	Ph.D., Univ. of Colorado, 1967
Raymond Willem	1976–	Associate professor 1980	Ph.D., Univ. of Illinois, 1969
Dennis Zallen	1976–1977	Assistant professor	Ph.D., Purdue Univ., 1973

ENGINEERING FACULTY

1891 - Present

1891-1960 New Mexico College Of Agriculture And Mechanic Arts 1960- New Mexico State University

1891-1914 Department Of Engineering

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Frederick L. Bixby	1909-1916	Professor civil & irrigation	B.S., Univ. of Calif., 1904
Dean Ward Bloodgood	1912-1932	Assistant irrigation, 1912-15 Irrigation engineer 1916-32	B.S.M.E., NMCA & MA, 1908;
Frank W. Brady	1895-1900	Professor irrigation & mechanical Professor civil & mechanical	B.M.E., Purdue Univ., 1888; M.E., <i>ibid.</i> , 1894
J. R. Burkey	1908-1909	Assistant professor civil 1909	C.E., Ohio State Univ., 1908
Elmer I. Chute	1903-1904	Assistant mechanical	A.B.E.E., Univ. of Tenn, 1904
DuVal Garland Cravens	1897-1898	Assistant engineering department	B.S.
Burton P. Fleming	1906-1909	Professor irrigation See also 1932 - civil	M.E., Cornell Univ., 1906
J. Jacob Grieb	1908-1909	Assistant mechanical	B.S.M.E., Clarkson Memorial Shool of Tech., 1908
Clarence T. Hagerty	1893-1894 1908-1914	Professor civil	B.S., Notre Dame Univ., 1890; M.S., <i>ibid.</i> , 1895
George K. Kable	1913-1914	Asst. 1913 & asst. prof. irrig. 1914	B.S., Univ. of California
James S. Macgregor	1901-1903	Assistant mechanical	B.S., NMCA & MA, 1902
John George Miller	1905-1908	Assistant mechanical	B.S.M.E., NMCA & MA, 1907
Charles Mills	1900-1905	Assistant professor mechanical 1901 Mechanical department head 1902	No information
Charles E. Paul	1904-1908	Professor mechanical	S.B., M.I.T., 1900
Roy L. Phelps	1910-1911	Assistant irrigation	No information
W. M. Reed	1899-1900	Professor civil & irrigation	C.E., Univ. of Vermont
Horace Ropes	1894-1896	Professor civil & mechanical	B.S.
Archibald Bruce Sage	1899-1914	Asst. & asst. prof. mech. 1900-07 Prof. mech. & elect. 1907-14 Department head 1908-14	B.S., NMCA & MA, 1900; M.S., <i>ibid.</i> , 1911
William F. Schaphorst	1906-1911	Assistant mechanical 1906 Assistant prof. mechanical 1907-11	B.S., S. Dakota Ag. Coll., 1905; M.E., <i>ibid.</i> , 1908
Lloyd Blaine Selby	1911-1914	Assistant professor mechanical	B.S.M.E., W. Viginia Univ. 1908; M.E., <i>ibid.</i> , 1909
George P. Stocker	1909-1915	Assistant professor civil 1909-14 Associate professor civil 1914-15	B.S.C.E., Univ. Wisconsin, 1909
Jay B. Stoneking	1908-1913	Assistant irrigation	M.E., NMCA & MA, 1908
G. E. West	1910-1911	Assistant mechanical	No information
August J. Wiehardt	1891-1894	Professor mechanical	M.M.E., Cornell Univ.
Clarence Clyde Winn	1911-1914	Assistant mechanical & electrical	B.S.M.E., Purdue Univ., 1908

College Of Engineering Established - 1914

1914-Present

1. Department of Agricultural Engineering

1919-33 Department of Agricultural Engineering
 1948-86 Department of Agricultural Engineering
 1986- Department of Civil, Agricultural, and Geological Engineering

HEADS

1948-51	Charles T. Bourns	1986-87	Conrad C. Keyes (CAGE)
1951-79	Eldon Hanson	1987-	Kenneth R. White (CAGE)
1979-86	George H. Abernathy		

AG. E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
George H. Abernathy	1957-1986	Professor 1976 Department head 1979-86	Ph.D., Oklahoma St. Univ., 1967
Jose F. Alfaro	1967-1972	Associate professor	Ph.D., Utah State Univ., 1967
Charles T. Bourns	1948-1951	Professor Department head 1948-51	M.S., Texas A&M Univ., 1947
Lyle Currie Dalton	1971-1973	Assistant professor	B.S., Texas Tech. Univ., 1930
James Dean	1975-1987	Associate professor 1986	M.S., Texas A&M Univ., 1971
Robert S. Freeburg	1959-1987	Associate professor 1969	M.S., NMSU, 1964
Kenneth Frost	1945-1948	Associate professor	M.S., Univ. of Calif, 1933
Eldon Hanson	1949-1979	Professor Department head 1951-79	M.S., Utah State Univ., 1948
Arthur Henry Hoffman	1917-1919	Assistant professor	B.S. Ag. E., Iowa State College 1914; B.S.E.E. <i>ibid.</i> , 1915
Terry Howell	1975-1976	Assistant professor	Ph.D., Texas A&M Univ., 1974
Robert Hulsman	1979-1986	Assistant professor	Ph.D., Utah State Univ., 1979
Craig. E. Kallsen	1981-1982	Assistant professor	M.S., Univ. of Calif.-Davis, 1979
Fred Richard Powers	1919-1921	Assistant professor	B.S. Ag. E., Univ. of Illinois, 1915
Theodore W. Sammis	1977-1987	Associate professor 1986	Ph.D., Univ. of Arizona, 1974
Alvin E. Stewart	1948-1951 1961-1967	Associate professor 1952	M.S., Texas A&M Univ., 1948
Zariel Gay Tyson	1949-1960	Assistant professor 1953	M. Ag., Univ. of Florida, 1949
Lambert H. Wilkes	1955-1958	Associate professor	M.S., Texas A&M Univ., 1952

2. Department of Chemical Engineering

1926-49 Department of Chemistry and Chemical Engineering
 1949- Department of Chemical Engineering

Faculty

HEADS

1926-48	Clayton W. Botkin (Chem. & Ch. E.)	1975-77	Kermit L. Holman (acting)
1948-49	Alvin D. Boston (Chem. & Ch. E.)	1977-88	John T. Patton
1949-63	Luke B. Shires	1988-	Rohinton K. Bhada
1963-74	Edward F. Thode		

CH. E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Paul D. Babcock	1977-1981	Assistant professor	Ph.D., Lehigh Univ., 1975
Harold M. Belkin	1964-1979	Associate professor	Ph.D., Carnegie-Mellon Univ., 1954
Rohinton K. Bhada	1988-	Professor Department head 1988	Ph.D., Univ. of Michigan, 1968
Ricardo Bogaert	1986-	Assistant professor	Ph.D., Univ. of Delaware, 1986
Michael Cho	1988-	Associate professor	Ph.D., Univ. of Houston, 1977
Joe L. Creed	1983-	Assistant professor Assistant dean of engr. 1988-	M.S., NMSU, 1986
Francisco Del Valle	1986-	Professor	Ph.D., M.I.T., 1965
Harry Folster	1968-1980	Professor 1979	Ph.D., Univ. of Maine, 1969
Edward Groth	1976-1983	Assistant professor	Sc.D., Yale Univ. 1941
Fred Sumner Hanson	1948-1951	Assistant professor	Ph.D., Lawrence College, 1939
William B. Hayes	1960-1962	Associate professor	Ph.D., Texas A&M Univ., 1958
Kermit L. Holman	1965-1977	Professor 1975 Acting department head 1975-77	Ph.D., Iowa State Univ., 1964
Murty Kuntamukkula	1979-1982	Assistant professor	Ph.D., Rice Univ., 1976
Richard Long	1981-	Assistant professor	Ph.D., Rice Univ. 1973
Kenneth McCorckle	1980-1987	Associate professor	Ph.D., Univ. Tenn.-Knoxville 1966
John T. Patton	1977-	Professor Department head 1977-88	Ph.D., Oklahoma State Univ., 1959
Allen Rakow	1981-	Associate professor	D.Sc., Washington Univ., 1974
Dinwiddie C. Reams	1955-1958	Assistant professor	M.E., Yale Univ. 1950
Rudolf Roubicek	1982-	Professor	D.Sc., Czechoslovakia Tech. Univ., 1949
Henry P. Sheng	1957-1962	Assistant professor	M.S., Purdue Univ. 1958
Luke B. Shires	1926-1965	Professor 1948 Department head 1949-63	M.S., Penn State 1926; Ch.E., Ohio Northern Univ. 1928
Edward F. Thode	1963-86	Professor Department head 1963-74	Sc.D., M.I.T., 1947
Donald Bruce Wilson	1964-88	Professor 1973	Ph.D., Princeton Univ., 1973

3. Department Of Civil, Agricultural, and Geological Engineering

1914-19	Department of Civil Engineering and Department of Irrigation Engineering (separate)
1919-26	Department of Civil and Irrigation Engineering
1926-86	Department of Civil Engineering
1986-	Department of Civil, Agricultural, and Geological Engineering

HEADS

1915-16	Raymond Matthew	1961-62	John W. Clark
1916-22	John W. Jourdan	1962-66	Russell C. Brinker
1922-24	Ernest C. White	1966-78	Samuel P. Maggard
1924-33	Harvey O. Garst	1978-87	Conrad C. Keyes
1933-56	Daniel B. Jett	1987-	Kenneth R. White
1957-61	Frank Bromilow		

CAGE FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
A. Kulathu Aiyer	1981-	Associate professor	Ph.D., Univ. of Illinois, 1969
John Babcock Baker	1931-1934	Assistant materials engr.	M.S., Univ. of Illinois, 1924
William Barkley	1971-1981	Professor 1978	Ph.D., Virginia Polytech. Inst., 1970
Edgar L. Barrows	1917-1923	Assistant irrigation	Student, Univ. Mich., 1905-08
Allie W. Blair	1987-	Assistant professor	Ph.D., Univ. Texas/Austin, 1985
Charles F. Bird	1941-1942	Assistant professor	M.S., Univ. Michigan, 1938
David Blanchard	1981-1986	Assistant professor	M.S., Texas A&M Univ., 1970
Charles H. Bonney	1941-1948	Assistant professor	B.S., NMCA & MA, 1933
Russell C. Brinker	1961-1982	Professor Department head 1962-66 Visiting professor 1972-82	M.S., Univ. of Minnesota, 1933
Frank Bromilow	1951-1974	Professor Department head, 1951-61 Dean of engineering 1961-74	M.S., Univ. of Pittsburgh, 1939
Labry Brown	1948-1952	Associate professor	M.S.C.E., Georgia School of Tech., 1932
John Cabrera	1982-1983	Associate professor	Ph.D., Cornell Univ., 1971
Fernando Cadena-C	1980-	Associate professor 1984	Ph.D., Calif. Inst. of Tech., 1977
Lawrence C. Campbell	1926-1934	Materials engineering	B.S.C.E., NMCA & MA, 1919
Lokesh N. Chaturvedi	1977-1983	Associate prof. geological engr. 1979	Ph.D., Cornell, 1969
John William Clark	1953-1979	Professor 1958 Department head 1961-62	M.S., Missouri School of Mines, 1953
Albert Samuel Curry	1923-1935	Associate irrigation	B.S.A., NMCA & MA, 1923
Bob J. Donham	1958-1962	Assistant professor 1961	M.S., NMSU, 1960
Elton G. Endebrock	1964-1975	Associate professor 1968	Ph.D., Univ. of Arizona, 1964
Burton P. Fleming	1932-1934	Professor Dean of engineering 1932-34	M.E., Cornell Univ., 1906
Harold Ganow	1985-	Associate professor	Ph.D., Univ. of Illinois, 1975
Harvey Oden Garst	1923-1932	Professor civil	B.S.C.E., Univ. of Missouri, 1909; C.E., <i>ibid.</i> , 1922
Thomas G. Gebhard	1967-1976	Associate professor 1970	M.S., Univ. Austin Texas, 1968
Narendra N. Gunaji	1960-1986	Professor 1967 Research director 1964-82	Ph.D., Univ. of Wisconsin, 1958
R. J. Hammersmith	1959-1962	Assistant professor	B.C.E., Univ. of Minnesota, 1950
John W. Hernandez	1965-	Professor 1968 Dean of engineering 1975-80	Ph.D., Harvard-Radcliffe, 1965
Frank A. Hitchcock	1916-1918	Professor civil	M.S.C.E., Christian Bros. Coll., 1916
Ti Huang	1959-1967	Assistant professor	Ph.D., Univ. of Michigan, 1960

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Willie P. Isaacs	1967–1986	Professor 1969	Ph.D., Oklahoma St. Univ., 1967
Ricardo Jacquez	1981–	Associate professor	Ph.D., Virginia Polytechnic Inst., 1976
Roy T. Jennings	1956–1960	Professor 1958	M.S., Univ. of Tennessee, 1937
Daniel Boone Jett	1926–1956	Professor Department head 1933–56 Dean of engineering 1938–47	B.S.C.E., Univ. Missouri School of Mines & Metallurgy, 1926
John William Jourdan	1917–1922 1932–1935	Asst. prof. irrig. engr. 1917, Asst. prof. civil & irrig. 1919, Asst. prof. civil 1933–35	B.S.C.E., Purdue Univ., 1913
Conrad C. Keyes	1966–1987	Professor 1977 Department head 1978–87	Sc.D., NMSU, 1966
Chester C. Kisiel	1962–1964	Associate professor	M.P.H. Univ. of Pittsburgh, 1959
Donald A. Linger	1960–1963	Associate professor	Ph.D., Iowa State Univ., 1960
Jesse V. Lunsford	1958–1985	Professor 1965	M.S., Univ. of Calif., 1954
Samuel P. Maggard	1963–	Professor 1967 Department head 1966–78 Research director 1987–88	Ph.D., Purdue, 1963
Raymond Matthew	1915–1916	Instructor irrigation engr.	B.S.C.E., Univ. of Calif., 1915
Bernard C. McBeath	1959–1962	Associate professor	M.S., Stanford Univ., 1951
William McCarthy	1980–	Associate professor 1985	Ph.D., NMSU, 1980
Ronald McPherson	1981–	Associate professor	Ph.D., West Virginia Univ., 1968
William Midkiff	1970–1974	Assistant professor	Ph.D., Univ. of Michigan, 1969
Otis E. Miller	1966–1969	Assistant professor	M.S., NMSU, 1958
John Minor	1970–1988	Professor 1980	Ph.D., Rice Univ., 1970
Jesse Patrick Morgan	1931–1936	Assistant materials engr. Associate dean of engr. 1960–68	B.S.M.E., NMCA & MA, 1929
Dwayne Nielson	1964–1970	Associate professor 1968	Ph.D., Univ. of Arizona, 1966
Oliver Payne	1946–1961	Assistant professor 1953	B.S., Valparaiso Univ., 1921
James Post	1969–1970	Associate professor	Ph.D., Univ. of Arizona, 1966
Richard N. Pugh	1949–1955	Assistant professor	M.S., Univ. of Rochester, 1949
Fay M. Raymond	1923–1926	Instructor of civil engr.	B.S.C.E., Iowa St. Univ. 1920
Daniel Stucker Robbins	1918–1930	Instructor general engineering Acting dean of engineering 1930	M.S., Univ. Valparaiso, 1894; Ph.D., <i>ibid.</i> , 1907
Lloyd R. Robinson	1962–1965	Assistant professor	M.S., Univ. of Kansas, 1958
George V. Sabol	1977–1984	Associate professor 1980	Ph.D., Colorado State Univ., 1974
Zohrab A. Samani	1987–	Assistant professor	Ph.D., Utah State Univ., 1983
Stuart Hobbs Sims	1935–1941	Associate professor 1938 Acting department head 1938–39	B.S.C.E., Univ. of Michigan, 1903
Richard E. Speece	1966–1970	Associate professor	Ph.D., M.I.T., 1961
Frank W. Stout	1963–1965	Assistant professor	M.S., Univ. of Delaware, 1956
William Sublette	1979–1982	Assistant professor 1981	Ph.D., Univ. of Arizona, 1979
Yucel R. Tokuz	1987–	Assistant professor	Ph.D., Univ. Illinois/Urbana, 1981
Leonard A. Traina	1967–	Professor 1978	Ph.D., Univ. of Wisconsin, 1968
Warren Viessman, Jr.	1961–1966	Associate professor 1964	Ph.D., John Hopkins Univ., 1963
Timothy Ward	1980–	Professor 1986	Ph.D., Colorado State Univ., 1976
Fred Louis Weeks	1925–1927	Materials engr.	M.S.C.E., Univ. Wisconsin, 1925
Ernest Charles White	1921–1924	Professor civil & irrigation	B.S.C.E., Norwich Univ., 1908; C.E., <i>ibid.</i> , 1915

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Kenneth R. White	1970–	Professor 1980 Department head 1987– Research director 1984–87	Ph.D., Texas Tech. Univ., 1970
Charles Clay Withrow	1946–1949	Assistant professor	B.S., Rose Polytech, 1925
Roger M. Zimmerman	1964–1981	Professor 1970 Associate dean of engr. 1968–74 Acting dean of engineering 1974–75	Ph.D., Univ. of Colorado, 1965

4. Department of Electrical and Computer Engineering

1914–73	Department of Electrical Engineering
1973–	Department of Electrical and Computer Engineering

HEADS

1914–29	Ralph W. Goddard	1956–68	Harold A. Brown
1930	William E. Carroon (acting)	1968–87	Frank F. Carden
1930–32	James T. Rood	1987–	Javin M. Taylor
1932–56	Melvin A. Thomas		

E. & C.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Frank Amador	1935–1946	Assistant professor 1941	M.S., Univ. of Kansas, 1935
John Barton, Jr.	1957–1959	Assistant professor	M.S., Oklahoma St. Univ., 1955
Raymond J. Black, Jr.	1955–	Associate professor 1968	M.S., NMCA & MA, 1956
Paul F. Boulay	1960–1967	Assistant professor	M.S., Univ. of Arizona, 1960
Harold A. Brown	1937–1970	Professor 1956 Department head 1956–68	M.S., Oklahoma A&M, 1932
Thomas Bush	1978–1979	Assistant professor	Ph.D., Univ. of Kansas, 1977
Frank F. Carden	1966–	Professor 1969 Department head 1968–87	Ph.D., Oklahoma St. Univ., 1965,
William E. Carroon	1919–1931	Associate professor 1928 Acting department head 1930	B.S.E.E., NMCA & MA, 1921
Keith Carver	1969–1985	Professor 1977 Research director 1982–84	Ph.D., Ohio State Univ., 1967
Steven Castillo	1987–	Assistant professor	Ph.D., Univ. of Illinois, 1987
Edgar Coffey	1978–1979	Assistant professor	Ph.D., Virginia Polytech, 1976
Howard Coleman	1958–1973	Assistant professor	M.S., Oregon State Univ., 1933
Donald Crosno	1947–1972	Professor 1958	Ph.D., Iowa State Univ., 1933
James H. Davis	1973–1979	Associate professor 1977	Ph.D., Univ. of Wisconsin, 1970
Donald W. Dearholt	1965–1984	Associate professor	Ph.D., Univ. of Washington, 1965
Richard H. Duncan	1954–1962	Associate professor	Ph.D., Univ. of Missouri, 1954
Mohammad El-Moslimany	1960–1964	Associate professor 1963	Ph.D., Univ. of Michigan, 1960
Mehdi Etezadi-Amoli	1975–1979	Assistant professor 1977	Sc.D., NMSU, 1974
Gerald M. Flachs	1969–	Professor 1977	Ph.D., Michigan State Univ., 1967

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Michael Giles	1982–Present	Associate professor	Ph.D., Univ. of Arizona, 1976
Ralph Willis Goddard	1914–1929	Professor Department head 1914–29 Dean of engineering 1920–29	B.S.E.E., Worcester Polytech. Inst., 1911
Robert Golden	1978–	Professor 1985	Ph.D., Univ. Calif. Berkeley, 1966
Leonard Edward Gough	1947–1952	Assistant professor	M.S., Ohio State Univ., 1947
Gary Hancock	1981–	Associate professor 1987	Ph.D., Univ. of Arkansas, 1981
Michael Hankamer	1982–1983	Assistant professor	Ph.D., NMSU, 1978
Stephen Horan	1986–	Assistant professor	Ph.D., NMSU, 1984
Eric Johnson	1986–	Assistant professor	Ph.D., NMSU, 1988
Jay Jordan	1986–	Associate professor	Ph.D., NMSU, 1984
Paul E. Kepner	1956–1961	Assistant professor	M.S., NMCA & MA, 1957
William H. Kersting	1962–	Professor 1974	M.S., Illinois Institute of Tech., 1961
Kaiser Kunz	1960–1971	Research professor	Ph.D., Univ. of Cincinnati, 1939
Walden H. Kunz	1961–1965	Associate professor	A.B., Indiana Univ., 1932
George W. Lucky	1964–1987	Professor 1970 Interim associate dean 1980–81	Ph.D., Oklahoma St. Univ., 1964
Lonnie Ludeman	1968–	Professor 1980	Ph.D., Arizona State Univ., 1968
John R. McNeil	1980–1982	Assistant professor 1981	Ph.D., Colorado State Univ., 1977
Don M. Merrill	1964–	Professor 1980	Ph.D., Univ. of Utah, 1964
William R. Mc Spadden	1959–1969	Associate professor 1966	Ph.D., Univ. of Washington, 1965
Dearald Morgan	1985–	Dean of engineering 1985–	Ph.D., Arizona State Univ., 1968
Clem Ota	1979–1982	Research professor	Ph.D., NMSU, 1976
Ramon Parra–Loera	1988–	Assistant professor	Ph.D., NMSU, 1986
Ivan Perez–Mendez	1979–1981	Research professor	Ph.D., NMSU, 1978
Warren Pollard	1983–	Assistant professor	M.S., Univ. of Arizona, 1973
Harry A. Posner	1966–1968	Assistant professor	M.S., NMSU, 1960
Shiela Prasad	1961–1968	Associate professor	Ph.D., Harvard Univ., 1959
Y. N. Rama Rau	1967–1969	Assistant professor	D.Sc., NMSU, 1967
Satishkumar Ranade	1981–	Associate professor 1987	Ph.D., Univ. of Florida, 1981
Russell L. Riese	1946–1957	Assistant professor	M.S., Oklahoma A&M, 1950
Roger Roberge	1969–1975	Associate professor 1973	Ph.D., Colorado St. Univ., 1969
James Theron Rood	1930–1932	Professor Department head 1930–32 Dean of engineering 1930–32	Ph.D., Clark Univ., 1906
Stewart Schleusener	1965–	Professor 1974	Ph.D., Iowa State Univ., 1964
Tom Shay	1988–	Associate professor	Ph.D., Colorado State Univ., 1978
Howard Smolleck	1979–	Associate professor	Ph.D., U. Texas–Arlington, 1975
An–hwa Soong	1960–1962	Assistant professor	Ph.D., Univ. of Michigan, 1960
Eldon Steelman	1968–	Professor 1987 Associate dean of engr. 1988	Ph. D., U.N.M., 1965
Javin M. Taylor	1977–	Professor 1983 Acting department head 1987–	Ph.D., Univ. of Wyoming, 1976
Melvin Aubrey Thomas	1931–1967	Professor 1934 Department head 1932–56 Dean of engineering 1947–61	M.S., Univ. of Texas, 1931
Wiley Thompson	1968–	Professor 1978	Ph.D., Michigan State Univ., 1968

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Walter L. Weeks	1959–1962	Professor	Ph.D., Univ. of Illinois, 1958
William Wheless	1987–1988	Assistant Professor 1988	M.S., Georgia Inst. Tech., 1974
Carl Morgan Wolfe	1934–1937	Assistant professor	Ph.D., Calif. Inst. of Tech., 1932
James R. Young	1960–1964	Associate professor	Ph.D., Univ. of Illinois, 1960

5. Department of Engineering Technology

1963–65 The Technical Institute
1965– Department of Engineering Technology

HEADS

1963–85 Louis Kleine 1985– George D. Alexander

E.T. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
George D. Alexander	1978–	Professor 1985 Department head 1985–	Ph.D., NMSU, 1972
Ambrose Barry	1982–1987	Assistant professor	M.S., Auburn Univ., 1971
Gail Barton	1982–1988	Assistant professor	M.S., U.N.M., 1970
Jeffrey S. Beasley	1988–	Assistant professor	M.S., NMSU, 1988
David Bollschweiler	1980–	Assistant professor 1980	M.S., NM Mining & Tech. 1981
Alphonso Bowers	1968–1983	Associate professor 1970	M.S., NMSU, 1962
Robert Cameron	1978–	Associate professor 1984	M.S., Univ. Texas/EI Paso, 1968
Myron E. Cherry	1967–1985	Associate professor 1978	M.S., New York Univ., 1960
Leon Cox	1977–	Associate professor 1983	M.S., NMSU, 1974
Richard Dolejsi	1964–1969	Associate professor 1968	M.S., Indiana State Univ., 1960
C. Stuart Ferrell	1988–	Assistant professor	Ph.D., Univ. Mo./Rolla, 1971
Bill Fleming	1970–	Professor 1983	M.S., NMSU, 1966
Thomas Hellmuth	1986–	Assistant professor	M.S., Colorado State Univ., 1980
Clarence Hough	1976–1978	Assistant professor	M.S., Univ. of Texas/Arlington, 1971
William B. Hudson	1986–	Assistant professor	M.S., NMSU, 1986
Louis Kleine	1954–1985	Professor 1967 Department head 1963–85	M.S., NMSU, 1957
Karl F. Krauss	1982–	Assistant professor 1983	B.S. Architecture, Univ. Mich., 1947
Otis E. Miller	1966–1969	Assistant professor	M.S., NMSU, 1958
Marvin Murray	1969–1970	Assistant professor	M.S., NMSU, 1965
Mell A. Peterson Jr.	1986–	Assistant professor	M.S., Physics, U.S. Naval Post graduate School, 1962
Barbara J. Powell	1985–	Assistant professor	M.S., NMSU, 1985
Guillermo Rico	1985–	Assistant professor	Ph.D., NMSU, 1988
Alfonso S. Romero	1983–	Associate professor 1988	M.A., NMSU, 1981
Michael Roseborough	1982–1987	Assistant professor	M.S., Univ. of Texas/Austin 1972
Herrol (Jim) Skidmore	1978–	Professor 1986	M.S., Univ. of Illinois, 1961

6. Department of Industrial Engineering

1969– Department of Industrial Engineering

HEADS

1969–72	William C. Arnwine	1982–88	Arun G. Walvekar
1973–76	Phillip E. Hicks	1988–	Satish J. Kamat
1976–82	Satish J. Kamat		

I.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Karl H. Agar	1983–1985	Associate professor	Ph.D., NMSU, 1980
William C. Arnwine	1969–1972	Professor Department head 1969–72	Ph.D., Iowa State Univ., 1967
Jesus A. Bautista	1985–	Assistant professor	M.S., NMSU, 1985
Michael Burke	1981–	Assistant professor	M.S., Ohio State Univ., 1980
J. Kent Butler	1970–1972	Assistant professor	Ph.D., Arizona St. Univ., 1970
Dean Duncan	1978–1981	Assistant professor	Ph.D., Texas A&M Univ., 1976
Almoez Eltouny	1977–1978	Assistant professor	Ph.D., Iowa State Univ., 1975
James W. Field	1969–1975	Associate professor	B.S., NMSU, 1938
Paul R. Finch	1976–	Associate professor 1981	Ph.D., Univ. of Arizona, 1979
Robert Gourley	1973–1975	Assistant professor	Ph.D., Oklahoma St. Univ. 1973
Phillip E. Hicks	1973–1976	Professor Department head 1973–76	Ph.D., Georgia Inst. of Tech., 1966
Satish Kamat	1970–	Professor 1980 Department head 1976–1982 1988–	Ph.D., Texas Tech. Univ., 1970
Ben F. Lyle	1969–1971	Assistant professor	M.S., Univ. of Tennessee, 1966
Mary Ann Maher	1984–	Associate professor	Ph.D., Univ. of Rochester, 1979
Chennupati Rao	1978–1980	Assistant professor	Ph.D. Texas A&M Univ., 1976
Arun Walvekar	1976–	Professor 1978 Department head 1982–88	Ph.D., Illinois Inst. Tech., 1967
Richard Wolf	1973–1977	Assistant professor	Ph.D., Texas Tech. Univ., 1973

7. Department of Mechanical Engineering

1914– Department of Mechanical Engineering

HEADS

1914–20	Arthur F. Barnes	1941–60	Arch M. Lukens
1920–21	Norman N. Tilley	1960–71	C. Quentin Ford
1921–23	Otto B. Goldman	1971–75	Marshall M. Sluyter
1923–24	John A. Herrington	1975–88	Phillip R. Smith
1924–35	Hugh M. Milton	1988–	George P. Mulholland
1935–41	Marcy T. Lewellen		

M.E. FACULTY

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Albert E. Anuta	1963–1967	Assistant professor 1965	M.S., Purdue Univ., 1958
Arthur F. Barnes	1914–1920	Professor Department head, 1914–20 Dean of engineering 1914–20	B.S.M.E., Worcester – Polytech. Inst., 1908

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Fred Baumgartner	1942–1945	Assistant professor	M.E., Institute of Tech. Burgdorf, Switzerland
Charles C. Blackwell	1964–1967	Assistant professor	M.S., Southern Methodist Univ., 1960
Gordon P. Blair	1963–1965	Assistant professor	Ph.D., Queens Univ. Belfast, Ireland, 1962
George Boley	1968–1973	Associate professor	M.S., Michigan State Univ., 1960
John Henry Butler	1929–1941	Assistant professor 1936	B.S.M.E., Univ. Kentucky, 1929
Norman Byers	1968–1973	Professor	Ph.D., Kansas State Univ., 1965
David Chen	1981–1983	Assistant professor	Ph.D., Arizona State Univ., 1977
John Cherng	1978–1982	Research professor	Ph.D., Univ. of Tennessee, 1977
Vincent Choo	1985–	Assistant professor	Ph.D., Univ. of Liverpool, 1982
Jack Fred Clark	1935–1941	Assistant professor	B.S.M.E., Iowa St. College, 1922
Milan H. Cobble	1962–1985	Professor	Ph.D., Univ. of Michigan, 1958
Richard C. Coddington	1966–1968	Assistant professor	Ph.D., Univ. of Kansas, 1966
Richard Colbaugh	1986–	Assistant professor	Ph.D., Penn. State Univ., 1986
M. D. Creech	1955–1968	Professor 1958	M.S., Oklahoma Univ., 1930
R. Egermeier	1957–1963	Assistant professor	M.S., NMCA & MA, 1957
Donald Fenton	1977–1987	Associate professor 1983	Ph.D., Univ. of Illinois, 1974
J. W. Field	1946–1969	Assistant professor 1956 (See also industrial engineering.)	B.S., NMCA & MA, 1938
C. Quentin Ford	1959–1988	Professor Department head 1960–71 Associate dean of engr. 1974–88	Ph.D., Michigan State Univ., 1959
Joseph Genin	1981–	Professor Dean of engineering 1981–85	Ph.D., Univ. of Minnesota, 1963
H. L. Gephart	1961–1975	Assistant professor	M.S., Calif. Inst. of Tech., 1946
Joel Gilbert	1982–1984	Associate professor	Ph.D., Univ. of Oklahoma, 1965
Otto Berger Goldman	1922–1924	Professor Department head 1921–23	B.S.E.E., Univ. of Calif., 1903
M. E. Hamilton	1960–	Associate professor 1966	M.S., Purdue Univ., 1959; Ed.D. UNM, 1969
Harry C. Hardee	1966–1968	Assistant professor	Ph.D., Univ. of Texas, 1966
J. M. Hardgrave	1947–1985	Professor, 1971	M.S., Colorado Univ., 1950
Edward Hensel	1986–	Assistant professor	Ph.D., NMSU, 1986
John A. Herrington	1923–1924	Professor Department head 1923–24	M.E., Texas Agricultural & Mech. College, 1916
R. Dean Hill	1982–	Professor	Ph.D., Mich. St. Univ., 1962
Richard Hills	1981–	Associate professor 1985	Ph.D., NMSU, 1979
Ralph B. Hubbard	1966–1970	Assistant professor	Ph.D., Univ. of Wisconsin, 1967
Wendell Hull	1974–1988	Associate professor 1978	Ph.D., Univ. of Toledo, 1975
Richard Ernest James	1949–1953	Assistant professor	M.E., Univ. of Oklahoma, 1947
John Jozwik	1957–1965	Assistant professor	M.S., NMSU, 1959
L. Kleine	1954–1963	Assistant professor 1958 (See also engineering technology.)	M.S., NMCA & MA, 1957
Jerry Ku	1985–1988	Assistant professor	Ph.D., SUNY–Buffalo, 1984
Leo Lafrance	1977–	Associate professor 1981	Ph.D., Purdue Univ., 1974
Ian Leslie	1984–	Assistant professor	M.S., Univ. of Michigan, 1977

Faculty

<u>Name</u>	<u>Date</u>	<u>Rank and/or Title</u>	<u>Degree</u>
Marcy Thomas Lewellen	1928–194	Professor, 1936 Department head 1935–41	B.S.M.E., Iowa State Univ., 1921 M.E., <i>ibid.</i> , 1930
Arch M. Lukens	1941–1964	Professor Department head 1941–60	M.S., Colorado Univ., 1927; M.E., <i>ibid.</i> , 1929
Edward Lumsdaine	1977–1981	Professor	Sc.D., NMSU, 1966
Raymond P. Lutz	1964–1969	Associate professor 1968	Ph.D., Iowa State Univ., 1964
Champ C. Magruder	1949–1950	Assistant professor	B.S.E.E., NMCA & MA, 1936, B.S.M.E., <i>ibid.</i> , 1948.
Thomas Mancini	1975–1985	Professor 1984	Ph.D., Colorado State Univ., 1975
Larryl Matthews	1982–	Associate professor 1986– Research director 1988–	Ph.D., Purdue Univ., 1982
Hugh Meglone Milton	1924–1947	Professor 1924 Department head 1924–35 Dean of engineering 1935–38 President of the university 1938–47	M.E., Univ. of Kentucky, 1922
Jesse P. Morgan	1946–1967	Associate professor 1957 Associate dean of engr. 1960–67	B.S., NMCA & MA, 1929
George Mulholland	1966–	Professor 1978 Department head 1988–	M.S., NMSU, 1962; Ph.D., Okla. State Univ. 1967
Andrzej Nalecz	1984–1986	Assistant professor	Ph.D., Warsaw Tech. Inst./Poland, 1978
Herluf P. Neilson	1934–1935	Assistant professor	Ph.D., Univ. Minnesota, 1933
Glenn F. Panlener	1946–1966	Assistant professor	B.S., Purdue Univ., 1935
Ronald Pederson	1984–	Associate professor	Ph.D., Univ. of Minnesota, 1976
Robert San Martin	1969–1983	Professor 1979	Ph.D., Univ. of Florida, 1969
A. R. Shouman	1960–1987	Professor 1967	Ph.D., Univ. of Iowa, 1956
Marshall M. Sluyter	1971–1975	Professor Department head 1971–75	Ph.D., Illinois Inst. of Tech., 1964
Phillip R. Smith	1964–	Professor 1972 Department head 1975–88	Ph.D. Univ. of Kansas, 1966
John Mark Stephenson	1947–48 1954–1960	Assistant professor 1954	M.S., Univ. of Texas, 1949
Norman Nevil Tilley	1920–1921	Professor Department head 1920–21	M.E., Cornell Univ., 1915
Robert Urban	1967–1974	Assistant professor	Ph.D., Univ. of Colorado, 1967
Raymond Willem	1976–	Associate professor 1980	Ph.D., Univ. of Illinois, 1969
Dennis Zallen	1976–1977	Assistant professor	Ph.D., Purdue Univ., 1973

Bromilow Awards



Frank Bromilow came to New Mexico State University in 1951 as professor and head of civil engineering. In 1961, he became dean of the College of Engineering, a position he held until his death in 1974.

Bromilow Awards are conferred annually by the College of Engineering in recognition of Frank Bromilow's leadership and enhancement of the quality of faculty during his tenure as dean of the College of Engineering.

In 1978 the award for faculty excellence was established to perpetuate the high level of excellence that Dean Bromilow sought to develop in the College. The award is given alternately for excellence in research and excellence in teaching. Recipients are selected by the College of Engineering department heads from nominees submitted by the engineering faculty.

Bromilow Teaching Awards

1978	Professor Leonard Traina (CAGE)	1984	Professor William McCarthy (CAGE)
1980	Professor Jesse Lunsford (CAGE)	1986	Professor Donald B. Wilson (CH. E.)
1982	Professor Paul Finch (I.E.)	1988	Professor J. Eldon Steelman (E.E.)

Bromilow Research Awards

1979	Professor Phillip Smith (M.E.)	1985	Professor Richard Hills (M.E.)
1981	Professor Milan Cobble (M.E.)	1987	Professor Wiley Thompson (E.E.)
1983	Professors Kenneth White and John Minor (CAGE)		

Bromilow Staff Awards

1978	Mr. Tony Alvarez	1982	Mr. Raymond Duran
1979	Ms. Lupe Robles	1983	Ms. Rose Marie Melon
1980	Ms. Cleo Gledhill	1984	Ms. Lois Busby
1981	Ms. Charlotte Beene		

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This section lists alumni alphabetically by the class year of the most recent degree earned at NMSU.

1922	CLARK, Andrew E.; AZ DOBBIN, James Chase; CA ELSASS, Ralph W.; KS GRAY, John Latham; NM HAYNER, Thomas R.; MD HENNING, George Ferdinand; TX JOHNSON, Arthur Bernard; NM LOOMIS, William Jay, Sr; NM MEHLHOP, John A.; NM PEYTON, Norman Clifford; TX RITCHIE, Ernest L.; NM RITCHIE, Lora Boutz; NM ROGERS, Miles R.; TX SHIPE, Charles Edward; TX STONE, Alfred Walter; NM VALLIN, Albert Richard; CA	1939	WILLIAMS, Richard Franklin; ID
1923	CORMANY, Luther Peery; IL POWELL, Frederick Edward; MS	1940	1944
1925	BOOTHE, Glendon Edwin; FL HOLMES, Russell W.; IA	1941	BOTKIN, Daniel Funderburg; CA BURLESON, Albert Jack, Jr; CA PREVOST, Charles Frederick; CA
1926	BRESENHAM, J. J., Jr; TX DIFFLEY, Walter J.; CA GILMER, Jesse B.; TX GRAY, Garland Lee; CA GRIMES, James Anderson, Jr; CA JONES, Joseph E.; TX LYSTER, Louis Everett; NM MC CALLUM, Elizabeth Elser; NM MYERS, Roy Archie; CA ORR, William Robert; TX TROOST, Theodore William; CA WILBUR, Walter Franklin; TX WILLIAMS, Frank Von Phul; NM	1942	1945
1928	BUELL, Robert M.; CA BUNTON, George R.; CO DOWNING, Don M.; CA WINGO, James Francis; TX	1943	BUDENHOLZER, Joe T.; NE ROWLAND, Chester A., Jr; WI SELLARS, John Randolph; CA
1929	FRENCH, Josiah; NM KENT, Harry L.; TX MANN, Thomas T., Sr; NM MORGAN, Jesse Patrick; NM SPRINKLE, Ernest Harold; AZ TAYLOR, Kastler; NV THOMPSON, John Curtis; CA VON SCHELER, Waldemar Augustine; AZ	1944	1946
1930	BECK, James M.; TX CHARLES, Ralph; NM SWARTZ, Oliver H.; AZ TANNER, Alva Richard; CA TUTTON, Fred Stiles; CA	1945	BLACK, Roy W.; AZ BOTKIN, Charles C.; CT GASKILL, William A.; OR HOWARD, William Jack; NM WILLIAMS, John Clark; TX
1931	COLEMAN, Kimble; AZ HANSEN, Volney R.; CA HOLMES, Thomas P.; TX JARAMILLO, Alberto A.; NM NORRIS, James Riley; NM SHRINER, George Samuel; CA SNYDER, Rush Alexander; TX	1946	1947
1932	ARMSTRONG, John F.; NM BLACK, Joe Bailey; AZ BLACKBURN, Charles W.; CA BOUTZ, William R.; NM CONNER, Ira M.; AZ GEIBEL, Fred P.; CA HEITMAN, William Lorenz; MD HUMPHRIES, Keith J.; NM JAEDICKE, C. Dale; NM MC CORKLE, Robert Roy; NM NOFTSKER, William Russell; NM RADKA, Lawrence E.; WA REILAND, Louis Jack; NM SMITH, Robert J.; NM STEYSKAL, Raymond Francis; NM WALKER, Carl W.; WA	1947	COOPER, H. Warren, III; MD DONOHUE, Robert Emmett; NM FEATHER, Landis Edward; PA GRAY, Frank Edward; NM GRAY, Russell Davidson; NM HACKEROTT, Raymond Earl, Jr; TX HARTLEY, Carl Brazel; NM HILL, Paul David; NM HOLCOMB, Herbert H.; NM HUGHES, Forrest Alfred, Jr; MT KUSTER, Manuel Thaddeus; AL LANTOW, John William; TX LONGFORD, Oliver Ray; NM NICHOLS, Frederick Lawson; CA RANDLE, George Wesley; NM RUSSELL, Paul E.; AZ SLACK, Lewis Cecil; NM STEELE, R. C.; CO WARE, Henry Waughop, Jr; AZ
1933	ADAMS, George Muldrow; NM AMADOR, Frank J.; FL BONNEY, Charles H.; TX CHAPMAN, Dwight L.; TX	1948	ANDERSON, Marion Reeves; NJ ANSLEY, John E.; MI BALL, Fred G.; CA BEARDEN, Troy C.; TN BIRD, Bruce; FL BROWN, Edward L.; CA BUMGARDNER, Raymond Arthur; NM BUSTAMANTE, Santiago Jose; NM COCKRELL, Forrest M.; MO CUNNINGHAM, Harold D.; NM CUNNINGHAM, Richard Henry, Jr; TX DALLAS, Dois D.; AK DENISON, John S.; TX DOMINGUEZ, George D.; CA EMERSON, Lawrence L.; CA FARRELL, Richard G.; TX FORD, Dorrell W.; SC GARCIA-MORENO, Felipe, Jr GARDENHIRE, Lawrence W.; FL GONZALES, Emeterio E.; CO GORMAN, Frank W., Jr; TX HUNGATE, John W.; NM JONES, Newton Daniel; NY MAGRUDER, Champ Clark; AZ MEEHAN, Richard Francis; MD OGDEN, Val Chancy; NM PAZ, George M.; TX PERINE, Russell Harrison; TX PHILLIPS, Roy Timothy, Jr; CA PRATHER, Owen Culbertson; NM REDING, Robert Edward; FL SCHAUB, John G., Jr; CA STEINMANN, Ralph Henry; TX STURMAN, William Helm; CA TERRELL, LaVern Berry; TX
	1934	1949	1950
	COADY, Phillip; CA DAILEY, William B.; CO FRANEY, William Richard; NM GARY, Woodrow Owens; NM HENDERSON, David L.; FL KILBY, William A.; NM RIGNEY, Reginald Healy; NM SMITH, Alexander; NM TAYLOR, Ivan Scott; NM TAYLOR, Julian Robert; UT TROLINGER, Durward Ross; OR VALKENAAR, John Jacob; TX WRIGHT, Estes Clyde; CA	ALLRED, Dallas C.; AZ BEAN, Bonnie Bengaard; NM BILLUPS, Ernest E.; NM BOONE, Thomas George; CA BURDICK, Byrl Hunt, Jr; TX CHESNEY, Herbert A.; NM DAVIS, Robert W.; CA	DODDS, Edgar B.; TX FLETCHER, James F.; TN FORD, C. Quentin; NM FORREST, Robert P., Jr; NM GLADISH, Donald P.; OH GOLD, Joseph H.; NM GOLDBAUM, Seymour A.; NY HALL, Kenneth A.; CA HERLIN, Charles Peter; TX HYMAN, Bertram Samuel; NJ JETT, Daniel B.; NM KUMBUSKY, Frank C.; OH LANE, Leon Max; CA LOGAN, Horace Paul; TX LONGWILL, Ben Leroy; NM MARSH, Edward Warren; NM MARTIN, John William; IN MAVEETY, Robert Ellis; NM MEERSCHIEDT, Stuart P.; NM MENKES, Chet Leon; CA MILLER, Vernon Lynn; NM MOONEY, Forrest Jackson; TX MOORE, Raymond Gilbert; UT NEWMAN, Charles Hill; TX PHILLIPS, John Haden, Jr; NM PINO, Joseph Evan; NM PONGSFORD, Emanuel Edgar, Jr; TX PROVINE, Charles Hulbert; NM RHODES, Glen Lester; WA ROTHENBERG, Jerome H.; MD RUSSELL, Harold Grester; IN RYAN, Thomas J.; TX SANDIFORD, Robert Eugene; CA SENSAUBAUGHER, Ray Scott, Jr; NM SHAW, Jerome; CA STRAND, William Field; WA SWEET, Fred Victor, Jr; NM SWISHER, Richard Leroy, Jr; TX THOMAS, Stanley Nelson; CA WALSH, Edward Adams; TX WHITE, William Patterson, II; CT

1950

MARTINEZ, Ramon Castillo; CA
 MASTERSON, Donald Grant; AZ
 MC GEE, Mindon Manitou; NM
 MIDDLETON, James Edward; AZ
 MINTER, Hugh Cromer; OR
 MONEDERO, Gonzalo, Jr; TX
 MOORE, Edwin Richard; UT
 MOORE, Howard Lea, Jr; FL
 MYER, Chalmers Rex; GA
 PAPER, Roger Auguste; CA
 PATERSON, Britain MacIntyre; NY
 POOL, Glen Lawrence; TX
 PYBURN, John Raymond; NC
 RAMIREZ, Arturo; CA
 ROGERS, Joe Y., Jr; TX
 RUBINSTEIN, Stanley; CA
 RUNYAN, William Russell; NM
 SAVELE, Hubert Mason; TX
 SCHNEIDER, Donald Manning; TX
 SCHOTEMEYER, Jack E.; IL
 SCHWETTMANN, William Henry, Jr; NM
 SEEDORFF, William August, Jr; CA
 SHADLE, Max Lucene; TX
 SMITH, Ralph Eugene; CA
 SNOW, Louis L.; NM
 STEPHENSON, Thomas Giffie; MO
 STEWART, Elbert Davis, Jr; TX
 STEWART, Kenneth K.; TX
 SUAREZ, Gonzales Rafael; NJ
 TAMM, Ralph George; CA
 THOMAS, Paul E.; MD
 THOMAS, Roy Wesley; TX
 TRUETT, Jesse Lee, Jr; TX
 VILLARREAL, Salvador; TX
 WARNER, Leslie Lawrence; UT
 WATKINS, Wayne Kenneth; FL
 WOFFORD, Joe Lee; NM
 WOHLBERG, William Earl; NM
 WRATHER, Buford E., Jr; WA
 ZIMMERMAN, Walter George; OK

1951

BAKER, Mack E.; FL
 BARE, Harold Z.; CA
 BARTHLOMEW, Richard; CA
 BEDNARZ, John; TX
 BELL, Roy
 BOEBINGER, Robert W.; TX
 BULLOCK, William L.; TX
 BUNYEA, Walter Clifford; NM
 COOPER, Jimmie D.; AZ
 DIRNBERGER, J. Leo; CO
 DURRENBERGER, J. E.; NM
 FISHER, Franklin A.; MA
 FOX, Robert Taylor, Jr; CA
 FREAS, Walter J.; NM
 FREDERICKSON, Charles Francis; NJ
 GALLAGHER, Johnnie M.; CA
 GASPERETTI, Robert L.; OH
 GILLFILLAN, Walter Earl; CA
 GOSS, William; CA
 GOSSETT, Leroy J.; WA
 HENDON, Henry Lee, Jr; NM
 HOWARD, David R.; CA
 HOYT, Lewis A.; NJ
 HUMPHRIES, Cecil Patrick; OK
 KAUFFMAN, Robert Ballard; WA
 KNOWLES, Paul; WA
 LANFORD, Samuel Ford; AZ
 LOMAN, Jack Wallace; AL
 LUCKE, William Albert; TX
 MARQUEZ, Melior Garcia; CA
 MARTINEZ, Gastulo Ortiz; NV
 MEIER, Robert David; OH
 MICHELSON, Erwin; NJ
 MOORE, Bill; CA
 NAKAYAMA, Joe Hiroshi; NM
 NICKELL, James Benton; TX
 PENA, John Raymond; CA
 POSEY, Robert Lloyd; NM
 ROUSSET, John Francis; CA
 SLINGERLAND, Carl Leroy; NM
 STARKOVICH, William Anthony; NM
 THOMAS, John William; NM
 THOMAS, William Oscar; CA
 TRUJILLO, Avelino Angel; CA
 TURNER, Eldon Kenneth; TX
 TUTTLE, James Bradford; CA
 WEBB, Donald Bliss; CA
 WELTY, Paul William; CA
 WORTHEN, Clifford Hiram; TX

1952

ABERNATHY, George H.; NM
 ALVAREZ, Fred
 BANDY, Kenneth L.; WY
 BARNHILL, Kenneth S., Jr; NM
 BONNER, William C.; CA
 BROWN, Jerrald Eugene; CO
 BROWN, Raymond Lawrence; KS
 CLEMENT, Charles A., Jr; WA
 CUNNINGHAM, John W.; TX
 DENNEY, Fred N.; NM
 DWYRE, Robert G.; AK
 FITCH, Archer Graham; OH
 FOGLE, Robert E.; NC
 FROM, Kendall T.; NC
 GRASING, Donald; MA
 HARRINGTON, Frank Allen; TX

HUGHEY, Glenn A.; AZ
 JENSEN, Richard T.; FL
 KELLOGG, Richard Martin; CA
 KINCAID, Jack Hopper; TX
 KORMANIK, Nicholas; ID
 MC KIM, Eugene Victor, Jr; NM
 PADDOCK, Clark Carter; CA
 PATTISON, Orville Hoyt; NM
 RICCI, Clifford; NJ
 STROHM, William Edward, Jr; MS
 SVILAR, Daniel Paul; WY
 THATCHER, Wesley Duane; AZ
 THOMAS, Roland Everett; AZ
 WRIGHT, James Irvin; NM

1953

BOYKIN, Benjamin M.; TX
 BUJAC, James N., Jr; NM
 CANO, Raymond Lucero; NM
 DINGER, Raymond Otto; NY
 DOLD, Ronald A.; FL
 DUNN, Allen R.; TX
 GARDNER, Hugh R.; NM
 GONZALES, Omega S.; NM
 HARE, Glenn Robert; NM
 HURT, Everett C.; NM
 JONES, Paul Byron; AK
 KEPNER, Paul E.; IN
 KOENIG, Paul Jackson; OK
 LARSEN, Edward Martin; OH
 MARSH, Jack Sterling; NM
 MARTINEZ, Jose Modesto; CA
 MC DOWELL, Edward Rouland; CA
 MORGAN, William Byron; CA
 PROVENCIO, Joe Humberto; NM
 RICHARDS, Robert N.; CO
 ROBERSON, Morris Lee; LA
 ROBINSON, Jasper Foy; OH
 ROSE, Tommy L.; MD
 SCHMIDT, Edwin Arlis; NM
 SMITH, Merrill Eugene; NM
 SOLTERO, Fred Casares; NM
 SPRING, Don E.; NM
 STYRON, Charles James; TX
 WEEMS, Don Thomas; NM
 WILLIAMS, Robert Dean; NM
 WILSON, Dale Ray; CA
 WINANS, Francis Newton; NM
 WOODSIDE, Ramon Douglas; CA

1954

BAILEY, George L.; TX
 BOUDREAU, Vincent; NM
 CARBINE, Dennis D.; CA
 CARTER, Oscar E.; NM
 CHAVEZ, Felipe L., Jr; NM
 COLE, Gerald R.; NM
 COONCE, C. Pat; NM
 DEHRKOOP, Clinton Buddy; TX
 FAIRCHILD, Charles I.; NM
 HARKEY, Richard Earl; NM
 HERBET, Albert John; OH
 JOE, Robert W.; CA
 JONES, Charles Edward; TX
 LEGER, Richard David; AZ
 LOCKHART, John Thomas, Sr; TN
 MCKEOWN, Billy Frank; NV
 MENKES, Bernard; CA
 MOBBS, Dutch William; TX
 MURPHY, Charles Thomas; NM
 PROVINE, John Edward; NM
 ROSE, George Edward; CO
 SEDILLO, Felix Joe; TX
 SMITHHISLER, Joseph Arnold; OH
 SONNEK, Gerald E.; IN
 TALLEY, Robert Howard; GA
 WHITE, John Fleming, Jr; CA

1955

ADLONG, Donald W.; AR
 ALEXANDER, Lon Ferguson; NM
 BAILEY, Frank J.; NM
 CALLAWAY, Robert L.; NM
 CONNELL, Harold Lynn; NM
 DARNELL, Aaron D.; CA
 DRANKHAN, Voit Christian; NY
 FLORES, Richard A.; CA
 FOREMAN, Edgar F.; TX
 GONZALES, Adolfo L.; FL
 HANSON, Paul W.; CA
 HUTCHINSON, James Edwin; NM
 ISLER, James R.; CO
 LEE, Eugene Don; NM
 LEHMAN, Louis Edward; TX
 NEEDHAM, Stanton Glen; NM
 PARKS, Swann Edward; TN
 ROMNEY, Charles B.; NM
 SHILLITO, Carol Scott; AZ
 SMITH, Jessie D. Krall; NM
 SMITH, Lewis Cordova; MD
 STEPPE, Robert J.; CA
 SULLENS, John C.; AZ
 TAYLOR, Clarence Darrell; CO
 WATT, David Papager; WA
 WITT, Charles Kirby; NM

1956

ADERHOLD, Jon R.; CA
 BECKHAM, Willie Simon, Jr; TX
 BENNETT, Floyd B.; CA
 BLACK, Raymond J., Jr; NM
 BOND, Dow Burch; ID
 BOWERMAN, Raymond S.; CA
 BOYLAND, John S.; FL
 BRANCH, William H.; CA
 COPLIN, Hugh T.; AZ
 DAVIS, William R.; NM
 DIAMOND, George H.; CA
 FLOWERS, Raymond N.; ID
 GILBREATH, Kenneth B.; TX
 GUTHMULLER, Harry C.; FL
 HAYES, James W.; OK
 HILLGER, Dave R.; AZ
 HONEYFIELD, Harold Rex; CA
 JORDAN, Paris D.; MT
 LITTELL, Robert Earl; CA
 MADRID, Carlos; CA
 MARLEY, Norman Leo; AZ
 MATHIS, John Austin; NM
 MOBLEY, Emory Vanoy; ID
 ORONA, Jose Valentin; NM
 PLACE, Richard Kenneth; MO
 SANDERS, Bobbie Kent; OH
 SWARTZ, Edward James; NM
 TORBERT, Virgil McDaniel, Jr; NJ
 VALDEZ, Florencio Daniel; CO
 WALTER, Gilbert Gustav; WI
 WAUND, Dunreth Jr.; MN
 WICKER, Clabe Eugene; NM
 WOOTEN, William Edward, II; TX
 WUEST, Harold Truman; NM

1957

AMMONS, Robert L.; CA
 BARRON, Lyle Austin; CO
 BECK, James O.; NM
 BELIAN, Thomas M.; TX
 BENNETT, Benny G.; AZ
 BINNS, Wilfred E.; NM
 BLEVINS, Billy D.; NC
 BRINNSTOOL, Edward P.; TX
 BULLOCK, Jon Walton; NM
 BURROWS, Robert G.; TX
 BUSH, Edgar Davis, Jr; NM
 CAFEY, Thurlow H.; NM
 CAMPBELL, Walter H.; NM
 CASKEY, Bruce A.; NM
 CATES, Marvin Floyd; CA
 CLOUSE, Bernard A.; AZ
 CRAIG, William H.; CA
 DARST, Earl L.; TX
 DAVIS, Lawrence; NM
 DAWSON, Joe E.; AZ
 DEGRAFTREID, Don R.; CO
 DES JARDIN, Robert L.; NM
 DETWILER, Jack R.; CA
 DONHAM, Tommy D.; NM
 DOVE, Donald E.; AZ
 EAKS, Charles A.; TX
 EDDE, Vernon L.; CA
 FELDMAN, Siebert; CT
 FELLER, David Lee; TX
 FLEMING, Donald Ray; TX
 FLOYD, Gerald Lee; CA
 GAMMILL, Billy G.; NM
 GILLESPIE, Ben J.; NM
 GUILD, Calvin Corwin; TX
 HALL, Justin R.; CA
 HEDGES, Robert Orrin; NM
 HERRING, Ralph H., Jr; TX
 HINDI, Moneer; NM
 HOGSETT, Theodore Calvin; NM
 JENKINS, Lloyd Paul; CO
 JONES, David Everett; NM
 JORDAN, Louis Willard; NM
 KENYON, Merrill E.; NM
 KLEINE, Louis William, Jr; NM
 KLIMOWICZ, Joseph Paul; DE
 KOHLHAAS, Richard L.; CO
 LAPRADE, John C.; DC
 LEMON, Fred J., Jr; NM
 LIVINGSTON, Leon Arnold; NM
 LYON, Robert Charles; TX
 MACTAVISH, Andrew Holley; CA
 MC CARTER, Thomas Kirk; NM
 MCINTYRE, Donald Francis; MD
 MCPHERSON, James Irving; MD
 MEADOWS, Omer Lee; NM
 MOBRAATEN, Richard C.; CA
 MOERY, William Abbott; AR
 MOORE, John Wiley; NM
 MORRIS, Robert Gerald; TX
 ORSAK, Leonard Eugene; CA
 PARKER, David Bruce; CA
 ROBINSON, Phillip I.; CO
 ROE, Bobby J.; CA
 SANDERS, Charles Herbert; AZ
 SANDERSON, Joel Chalmers; NM
 SANFORD, Grady Robert; TX
 SAUERHOFF, Harry Whiting; NM
 SCHEAFER, Charles Robert; NM
 SHRIVER, Monte Richard; CO
 SHUTE, Horton Boutel; NM
 STEELE, Charles William; TX
 STEVENSON, James C.; NM
 SWARTZ, Louis McKinley; NM
 TAUCHERT, Leonard Conrad; CA
 TAUSWORTHE, Robert Clem; CA
 TAYLOR, Thomas H.; OK

THORPE, Herbert Gwynn; TX
 VANCE, Howard Everet; WA
 VIGIL, Lawrence Daniel; NM
 WALL, Evern Randolph; TX
 WALTON, Frank Hubert; CA
 WARNER, Frederick Walter; NM
 WATFORD, Spurgeon Elwood; CO
 WEBB, Victor C.; TX
 WILLIAMS, Cody Da Voe; NC
 YOUNG, Thomas Joseph; CA

1958

ADAMS, Norman G.; TX
 ALBA, Augustine; CA
 ALVAREZ, Arturo F.; CA
 AUSTIN, William V.; CA
 AUTRY, Kenneth H.; MO
 BACA, Benjamin J.; NM
 BAKER, James B.; NM
 BAKER, Thomas M.; TX
 BARNETT, Richard D.; AZ
 BARRETT, Claude J.; TX
 BASSETT, Roger Dale; CO
 BEAIRSTO, Robert J.; MA
 BLANCHARD, Joseph Leo; WA
 BOYCE, Colin L.; LA
 BUTTERFIELD, Stuart E.; CA
 CAHOON, Clarence N.; NM
 C DE BACA, Arsenio A.; NM
 COALSON, Connie G.; NM
 COBB, Douglas L.; CA
 COVINGTON, Lorenzo Ross; AL
 DAVIS, Charles D.; NM
 DEBUSK, Will E.; TX
 DINWIDDIE, Richard Bright; NM
 DIXON, William C.; CA
 EMBREE, O. Dale; NM
 FERRAN, David Enrique; CA
 FLINKLIN, Billy Page; CA
 FLINT, Quinnie Martinea; NM
 FLORES, Frank E.; NM
 FRAZER, Robert R.; CA
 GROSS, Louis W.; NM
 HARTMAN, Ira A.; WA
 HOOVER, David Wright; IL
 HOPKINS, Ronald Jacob; FL
 HOWELL, Jack S.; TX
 HUFF, George R.; NM
 ISMOND, Frederick A.; NM
 KIMBER, Irvin Gerald; UT
 KING, Clive Gerald; WA
 KING, James Eugene; NM
 KIUNK, Paul Charles; CA
 LARITSON, Lloyd Peterson; CA
 LUCAS, Novie Neil; NM
 LUJAN, Joseph C.; NM
 MAPES, Carl E.; CA
 MARTINEZ, Raul Castillo; CA
 MAUER, William C., Jr; PA
 MC CAIN, James Scott; CA
 MC DOUGALL, John Phillip; NM
 MENDEZ, William Eligio, Jr; PA
 MILLER, George W., Jr; NM
 MILLER, Otis Edward; TX
 MILLER, Paul Burnace; PA
 MULLINS, David Knight; CA
 MYERS, Robert Gerold; CA
 NIELSEN, Sidney Douglas; OR
 OSWELL, Clyde Scott; CA
 PACHECO, Orlando Roman; TX
 PARKER, Billy R.; TX
 PARSONS, Charles Douglas; OK
 PEREA, Fred Appelzolle; NM
 PHILLIPS, Harold Leon; AR
 PLEDGER, Richard Payne; TX
 PRADO, David; NM
 RODKEY, Richard Cleon; AZ
 SCOTT, James C.; NM
 SHELLEY, Thomas R.; NM
 SHRIVER, William Kent; OK
 SIDMAN, Joseph; CA
 SILVER, Robert Joseph; NM
 SKAGGS, Samuel Robert; NM
 SMITH, Harold Dean; AK
 SMITH, Irwin Douglas, Jr; NM
 STANFORD, Robert Edmond; TX
 STASSINOS, John; CA
 SUMMERFORD, Richard Dale; TX
 THOMAS, Alvin David; NY
 TOGAMI, Joseph R.; AR
 WASKIEWICZ, Leon Wladyslaw; NM
 WHITE, William David; TX
 WHITTIER, Stewart Henry; CO
 WILLIAMS, Glenn Carter; AZ
 WILSON, Phillip Laurence; TX
 WINN, James Byron; MD
 WOLF, Gene Leroy; TX
 YOUNG, William Thomas; AL

1959

ADAMS, Charles D.; NM
 BACA, Benjamin; NM
 BEAL, J. Arlie; TX
 BEERS, Robert H., III; ID
 BOLDING, Vance E.; CA
 BOYKIN, James Lester; NM
 BRADHAM, William Willford; WA
 BRAMEL, Edwin Francis, Jr; AZ
 BROCKMAN, Lawrence Richard; IN
 BROCKMAN, William Dixon; NM
 BROWN, Delmas McClain; TX

BURLESON, Dale D.; TX
 CALLAHAN, Dale H.; CO
 CAMPBELL, Samuel L.; WA
 CARD, Lewis H.; TX
 CARD, Tom H., Jr; NM
 CARRIER, Clifford E., Jr; NM
 COLE, James Walter; NJ
 COLEMAN, Donald A.; MA
 DANIELS, Frederick J.; AZ
 DAVIS, Allan B.; TX
 DIAZ, Gerald M.; TX
 DRIBELBIS, Norman C.; NC
 EAST, W. Dean; CO
 ESSARY, Wilburn D.; NM
 FARQUER, Alfred W., Jr; NM
 FELIX, Ernesto Escudero; CO
 FERRANTI, Robert; TX
 GAMBOA, Edward V.; NM
 GAMBILL, Aubrey Lee; TX
 GODDY, William A.; CO
 GOLDSMITH, Martin L.; CA
 GORTLER, Robert Lynn; VA
 GUSTAFSON, William Gene; OK
 HABERL, John Brooks; MA
 HAMMER, Charles Frank; NM
 HAWLEY, Arlan Bruce; MN
 HODGES, Bryan Houston; CA
 HUFFMAN, Donald Wayne; AZ
 HUGHES, Thomas James; OK
 IVES, Travis O'Neal, Jr; MD
 JACOBS, Don E.; OH
 JAMES, Gary Ronald; MI
 JARAMILLO, John Albert; NM
 JONES, Harry Clay; TX
 JONES, Royal White; TX
 KEDDY, Edward S.; NM
 KERSTING, William H.; NM
 LINDSAY, Jon Stephen; TX
 LIPKKE, Bruce Robert; WA
 LOFLAND, James Harrison; TX
 MARTIN, John Daniel, Jr; NM
 MARTINEZ, Gerard; NM
 MARTINEZ, Renato Gilbert; CA
 MATTHEWS, Samuel Cephas; AK
 MAYFIELD, Jack Allen; TX
 MC GAHEN, Paul Winfield; TX
 MERRITT, Paul Henry; NM
 MILLBURN, Leon Hyatt; CA
 MILLER, Emmett Duane; NM
 MONK, Raymond Charles; AZ
 MONTGOMERY, Glen E.; NM
 MONTROYA, Roman Marcos; MD
 MOORE, Jack Chipman; WA
 MURCKLEN, James Orlanda, Sr; TX
 MURPHY, Robert Jeramiah; FL
 OKAMURA, Stanley Yoichi; HI
 PABST, Robert Dean; IN
 PATTERSON, Earl Dwyane; TX
 PAVELKA, Edward Joseph; NM
 PICKENS, Jack E.; NC
 PLICHER, James Otto, II; MD
 PLASTER, Dickie Eugene; MO
 POCHOP, Harold James; AZ
 POLING, Gerald Edward; TX
 PRICE, Howard Lee; NM
 QUINTANA, Elias Manuel; NM
 RAMOS, Henry; CA
 RAY, Harry; TX
 RICHARDSON, William Montelle; CA
 RILEY, James Edmond; SC
 SADLER, Jesse Turner; TX
 SANCHEZ, Jose Miguel; NY
 SANDERS, Gerald Royce; NM
 SPERRY, Donald Lee; TX
 STANTON, Bob Gene; CA
 STEVENS, William Thomas; OK
 STINEBAUGH, Robert Eugene; NM
 SUE, Robert; MD
 SWANSON, Alan Leroy; CA
 TEETER, Richard Ivan; CA
 TILLIAN, Donald Joseph; TX
 TOGAMI, James Keisuke; CA
 TOLMIE, Don Eugene; NM
 TRYPLETT, Elijah Vaughn; NM
 TRYPON, William Charles; CA
 USREY, Marvin Wayne; TX
 WALL, Melvin James; TX
 WARRICK, Stuart Clair; CA
 WHALIN, Ronald Lee; NJ
 WINGO, Franklin James; NM
 WISE, Doyle R.; TX
 YOUNG, Jess William; UT
 YOUNG, John Holmes, Jr; NM

1960

AKER, Marlin F.; NM
 AKERS, Billie R.; NM
 ALEXANDER, Thomas Wayne; NM
 ALEY, Michael 17309; CA
 BERLEMANN, Richard L.; NM
 BLACK, Allen B.; TX
 BLACK, John D.; TX
 BORREGO, Harold A.; AK
 BROOKS, Jerry Duvall; CA
 BROWNE, Douglas C.; NM
 BULLARD, Dillard G., Jr; CA
 BUSTAMANTE, Albino Cletius; NM
 BUTLER, Ronald W.; LA
 BUTTERFIELD, Joseph E.; TX
 BYERS, John Habel; NM
 CATANACH, Ralph M.; NE
 CERVANTES, Orlando; NM

CHENEY, Richard P.; NM
 CLARK, C. W.; AZ
 CLARK, Harold E.; NM
 COLE, J.B.; VA
 CORNING, Harold T.; AL
 CRANE, Robert C.; IL
 CUNICO, John J.; CA
 DAVISON, Gene E.; AZ
 DODSON, Bill R.; CA
 DORR, Robert E.; NM
 DOUGHERTY, Jerry P.; VA
 DRUM, Donald G.; OK
 EARL, Harold R., Jr.; TX
 ELDER, Robert Lee, Jr.; MS
 ELLIS, William L.; MO
 ENGLISH, Parker F.; OK
 FAHEL, Bonifacio T.; NH
 FIELDS, Fred Kenneth; TX
 FLORES, Ruben A.; CA
 FORRESTER, Donald L.; NM
 GILBERT, Harvey Allen; MO
 GOBER, James Richard; NM
 GORRELL, Lloyd; OK
 HAMILTON, Henry Hill; TX
 HARKEY, Warren Byron; NM
 HART, William S.; TX
 HARVEY, James H.; NM
 HAWKINS, Vernon Hale, Jr.; MO
 HENRY, Dennis Grafton; NM
 HERBSTRIIT, Roger Leonard; VA
 HIX, Marion W.; TX
 HOLCOMB, William Franklin; MD
 HOWARD, Joseph Richard, Jr.; CA
 HUST, Clarence Edwin; NM
 INDRAMBARVA, Kitti
 ISLER, Charles Richard; ND
 JOHNSON, Jack Elmer; FL
 JUCHUM, Conrad Martin; FL
 KONING, Conrad Herman; NV
 LA FLEUR, Walter; MD
 LEARNED, Samuel Murray, Jr.; PA
 LEMMON, Richard Alan; TX
 LINDEMULDER, Charles Robert; NJ
 LINDER, John Lawrence; NM
 LOUTENSACK, Wayne Reese; CA
 LUCERO, Luis; AZ
 MARTIN, James Atney; NM
 MARTINEZ, Victor Corona; CA
 MEDINA, Kyle D.; KS
 MENEFE, Lynn Martin; NM
 MITCHELL, R.T. "Mitch"; VA
 MULLOY, Frederick Wendell; OK
 MYER, Donald Gene; CO
 NEWMAN, Jack Darwin; NM
 NUGENT, James Anthony; CA
 OWENSBY, Garvie Hugh; TX
 PARADEE, Lawrence Maurice; TX
 PARSONS, Charles Ray; CO
 PATTERSON, Jasper Ernest; OK
 PERRY, Billy Wayne; TX
 PRUITT, John Ray; NM
 RYBURN, Paul F., Jr.; CA
 QUINLAN, Patrick Stephen; NM
 RANEY, John Paul; TX
 REYES, Raul Ernesto; FL
 RHODES, Don Edward; CA
 ROWE, Thomas William; CO
 RUCKER, Frank Van; NM
 SANDOVAL, Benjamin Robert; CA
 SCOTT, Samuel Warren, Jr.; AZ
 SENKEL, Raymond A.; OR
 SLY, James Michael; OH
 STEINMANN, Charles Alvin; CA
 STEPHENSON, Melvin Lee; CO
 STRAHM, James Frederick; UT
 SWEATT, Richard Van; FL
 THORNTON, Jim Pat; CO
 TYREE, Daryl Eugene; TX
 VAN DOLMAN, John Francis; MA
 WEINMAN, Herbert Lee; CA
 WHITESCARVER, Carrell David; FL
 WILLEMSSEN, Keith A.; FL
 WILSON, Andy Royal, Jr.; NM
 ZECCA, Guido E.; NM

1961

ADAMS, Richard Locke; TX
 ARCARO, Angelo Charles; NM
 ATHA, Robert I.; NM
 BALL, Roy E.; NM
 BEASLEY, Jack F.; TX
 BEEBE, Steven G.; CO
 BRADLEY, Lester Monroe, Jr.; TX
 BRANUM, Lloyd C.; TX
 BROWN, Ronald R.; CO
 BURROWS, Darrel Ray; NM
 CARSON, Linwood M.; NM
 CHAVEZ, Richard M.; NM
 CHECK, Daniel A.; NM
 CHENOWETH, Paul Lawrence; TX
 CHRISTY, Leverne; SC
 CLAGHORN, Chester G.; NM
 CLARK, William P., II; OH
 CONRAD, George Ralph; MD
 CROUSE, Lawrence Joseph; WI
 GUNNIFF, Roy A.; NM
 DIAZ, Josue
 DIETRICH, Duane L.; AZ
 DRESBACK, Donald E.; OK
 EDMONDSON, Samuel Allen; AZ
 FERRAN, Robert Isidore; NM
 FISK, James W.; NM
 FOREMAN, Harold Chub; NM

FRIEBAND, Neil G.; MA
 GARCIA, Silas E.; NM
 GILBERT, James Jerald; NM
 GOODART, William T.; CA
 GREENWALD, John L., Jr.; TX
 HADEN, Joe Allen; NM
 HARPER, Wayne Marland; NM
 HAYNES, Kenneth E.; CO
 HILFORD, Michael Holly; CA
 HOBSON, Stanley N.; OR
 HOGGARD, Calvin Leon; AK
 HOLT, Howard Davis; TX
 JARAMILLO, Eugene E.; NM
 JOHNSON, Charles L.; TX
 JONES, Carl R.; NM
 KASSNER, Donald L.; CA
 KEILL, William K.; NJ
 KILCREASE, James G.; NM
 LARE, Boyd Duane; NM
 LEGG, Dwane Lynn; AK
 LUTZ, Calvin Eugene; TX
 MACHADO, Jerome Augustin; CA
 MACIAS, Victor Manuel
 MATHEWS, Milton W.; TX
 METHVIN, David Hall; CO
 MEYHOFF, Edgar Gustave
 MILLER, John W., Jr.; TX
 MILLER, Warner Haines; MD
 MONTOYA, Earl Joseph; VA
 MOORE, Billy Le Roy; NM
 NEDOROSCI, Francis D.; IL
 NELSON, Randy Lowe; UT
 PIERCE, John Calvin; NM
 PIVONKA, Jacob Donald; AZ
 PLUMLEE, Herbert R.; TX
 PRESNALL, Lance Owen; CA
 PRICE, Raymond E.; NM
 RANDALL, Palmer Wood; TX
 RIDGLEY, David Cecil; NM
 RILEY, Robert Norman; NM
 ROBINSON, Lloyd E., Jr.; NM
 ROBINSON, Thomas Scott; MN
 RONALDI, Thomas C., Jr.; MD
 SABRE, Randolph Emil; NM
 SALINA, Ernesto; CA
 SANCHEZ, Fidel Nathaniel; FL
 SCHEUTER, Hans Rudolf; OK
 SCHNELL, Danny Lee; AZ
 SCOTT, Arthur George; VA
 SEVERSON, Donald M.; NM
 SEXTON, Archie Francis; CA
 SHELTON, Donald Gene; IL
 SKIBBIE, Lawrence Franklin; VA
 SMITH, Samuel Harrison, Jr.; OH
 STANFIELD, Robert E., Jr.; TX
 STANLEY, Paul Arlyn; AZ
 STELZNER, Edward Francis; NM
 STEPHENS, Nolan Thomas; FL
 STEVENS, Gerald Dean; OK
 STROMBERG, Jon F.; TX
 STUCKY, John Thomas; MN
 THACKER, William Nathan, Jr.; LA
 THAYER, Walter Edward; NM
 THIMSEN, Donald Carl; AL
 THURMAN, Garrett Thompson; TX

1962

ALFORD, Roscoe; TX
 ALLEN, John David; NM
 APODACA, Gilbert Ramon; NM
 ASCHBACHER, Arthur L.; NM
 BACA, Wilfred Ruben; CA
 BAIRD, Avorald L.; AZ
 BARELA, Alexander R.; AZ
 BARRETT, Alfred T.; OK
 BELL, George Parker; NM
 BENSON, William R., Jr.; VA
 BHONSLER, Suryaji R.; MI
 BONHAM, James R.; NM
 BOURQUIN, Jack Jules; MO
 BOWERS, Alphonso Francis, Jr.; NM
 BRANNAN, Larry Ray; SC
 BROWN, Charles Harold, Jr.; MO
 BROWN, Marion A.; NM
 BRUMMETT, Patrick T.; AZ
 CALDARELLI, David E.; MS
 CHERN, Wei Shan; CA
 COOPER, William K.; NM
 COST, Thomas B.; NM
 DALLAS, George M.; NM
 DAMMANN, Julius F.; CO
 DAVIS, Kenneth E.; CA
 DEBUSK, Jerry R.; NM
 DE MOULIN, Donald A.; NM
 DICKSON, Dale R.; CA
 DICKSON, Richard Deem; CA
 DONNER, William Owen, Jr.; NM
 DOWNING, Earl Murphy; NM
 EGAN, Gerald Richard; NM
 ELDRIDGE, Richard H.; MA
 ENGEL, Eugene T.; CA

ENGELHARDT, Fred J.; CA
 FERGUSON, Bryant C.; CA
 FULGHUM, Donald Paul; TX
 FULGHUM, Lynda York; TX
 FULLER, James G., Jr.; NE
 GALLIGAN, William Melvin; CA
 GILCREASE, Arthur Albert; NM
 GLOVER, George Frederick, Jr.; NY
 HAMILTON, Thomas Kenneth; AL
 HARRINGTON, Lawrence John; TX
 HAYS, Leslie C.; TX
 HESS, Fred J.; NM
 HINTON, Herman K.; NM
 HOLDEN, Dale Gordon; VA
 HOPKINS, Paul Terry; AZ
 HUDSON, Ralph W., Jr.; NM
 JACOBS, Gene G.; NM
 KING, Raymond D.; TX
 LADWIG, Arnold John; IL
 LARSEN, Larry Lynn; CA
 LAUMBACH, William Joyce; CA
 MAESTAS, Gerald; NM
 MAJORS, William Lyle; NV
 MARTINEZ, Eugene Carlos; AZ
 MASON, Robert Williams; CO
 MATTHEWS, Church Myall, Jr.; VA
 MC CULLOUGH, William Michael; VA
 MILLER, Raymond Edward; WA
 MILLER, Russell Garfield
 MITCHELL, Doyle Lynn; CO
 MORALES, Gustavo; NM
 MORSE, Theodore Harding; NM
 MULHOLLAND, George Patrick, Jr.; NM
 NAGY, David Michael; CA
 NEVAREZ, Joseph Richard; NJ
 NICHOLSON, Grady Sexton; NM
 PAGE, Harry Cortright; NJ
 PATTON, James Robert; TX
 POLLARD, Richard Lee; TX
 QUEENER, Ted Quinten; TX
 REYNOLDS, Michael W.; NY
 RICHARDS, John D.; CA
 RIVERA, Floyd G.; NM
 ROBINSON, Chester Arthur; TX
 ROYSTER, Gary Keith; NM
 SAYRE, Charles Anthony; NM
 SMALLWOOD, David Ora; NM
 SMITH, Richard A. Noll, Sr.; NM
 SPONAGEL, Arthur Lewis; NM
 STANKEVICH, Bernard Albert; CT
 STANLEY, John Frederick; TX
 THOMAS, Tom Buford, Jr.; CA
 VIGIL, Ubaldo Isaias; TX
 VIPOND, William Louis; WA
 WASHBURN, Terry N.; CO
 WATSON, Joe Hadley; TX
 WEED, Richard Elsworth; MT
 WICKSTROM, Gerald Wayne; CA
 WOMACK, Milton Russell; TX
 YARBROUGH, Steve Harmon; TX

1963

ADAMS, William F.; NM
 ALEXANDER, Joe B.; TX
 AMBURGEY, Floyd Davis; NM
 ANCELL, Larry E.; TX
 BANKS, Doyle Elton; NM
 BARBEE, Charles H.; NM
 BECKER, Donald C.; TX
 BEENE, Bobby Rex; TX
 BICKEL, James E.; NM
 BISHOP, Denis Alan
 BOEGLIN, Richard E.; NM
 BRUNE, Paul W.; OK
 BURKETT, Otis R.; TX
 BUTCHER, Robert E.; TX
 CAMPBELL, Jimmie Ross; CA
 CARTER, Richard B.; TX
 CATALDO, Fortunato Frank; AL
 CATANACH, Richard; NM
 CHEVES, Lee H.; UT
 CHI, Kuo S.; CA
 CONNOR, Carlton Lee; NM
 COVINGTON, Carl H.; AL
 COX, Donnie William; AL
 COX, Thomas Wayne; NY
 CRABB, Walter F.; CO
 DAVID, Don Lee; CA
 DENNIS, Raymond Lee; NM
 DODDS, Stanley Dale; TN
 DOMINICK, Wayne P.; CA
 DONHAM, William J.; CA
 DOUDS, John H.; NM
 DRAKE, Sammy J.; CA
 DURHAM, James M.; MI
 EALY, Earl D.; CA
 EDWARDS, Richard A.; TX
 ESQUIBEL, John F.; NM
 FAULK, Clyde Oral, Jr.; AK
 FELTZ, Louis Victor; NM
 FISCHER, William George; NM
 FISKE, William C., Jr.; TX
 FRANZOY, C. Eugene; AZ
 FULLER, Donald F.; NY
 FULLER, Kenneth F.; TX
 GADDIS, Joseph Leo; SC
 GALLEGOS, Arthur Vidat; NM
 GALLEGOS, David J.; NM
 GLENN, Tommy P.; NM
 GOMEZ, Luis Richard; NM
 GRISAK, Pete Albert; CA

GUPTA, Lachhman Dass
 GUTIERREZ, Carlos I.; NY
 GUY, Joseph H., Jr.; CO
 HAMMONS, Carl Argus, Jr.; CA
 HARRAL, Gerald Don; TX
 HARRISON, Robert A.; CA
 HART, Ellis Dale; MS
 HICKS, Jon Don; NM
 HOLGUIN, Guadalupe R.; CA
 HOLMES, Gerald Wayne; NM
 HULL, Theodore Loy
 HUNTSINGER, James P.; CA
 JACOBI, Richard L.; CA
 JONES, Phillip Noel; OR
 KING, William L.; NM
 KROUSE, Wayne Lauron; IA
 LACKEY, James Robert; NM
 LACKEY, Royce Dale; NM
 LANDRETH, Robert Eugene; OH
 LARSEN, Karl Fredrick; NM
 LAUMBACH, Rudolph Edward; CA
 LOOS, Robert Wayne; AZ
 LOVELADY, Frank Dee; NM
 LUBENAU, Thomas Rudolph; NM
 LUCERO, Edmund R.; NM
 MAHONEY, Lawrence Edward; CA
 MATHIS, Joe Earl; TX
 MATLOCK, Norman Shelby; AZ
 MATTHEWS, Robert Lee; TN
 MAUDLIN, Valroy Henry; TX
 MC DANIEL, Thomas Nolan; CO
 MCGRIFF, James M., Jr.; TN
 MEALING, John Milton, Jr.; TX
 MENDOZA, Mike Edward; NM
 MERSHON, William F.; NM
 METCALF, Donald Warren; TX
 MILLER, Tommy Dale; NM
 MILTON, Larry L.; TX
 MOEN, Donald George; TX
 MONTES, Daniel Nicholas; NM
 MUHLBERGER, Joseph George; NM
 NISHI, Tatsuo; HI
 NUNNELEY, Stanley Edward; MD
 PABST, Donald Charles; NM
 PADILLA, Michael Andrew; CA
 PASCADOR, Gerald James; TX
 PIERCE, R. Lance; ID
 REDMOND, Weyman Dell; NM
 REEDER, Ronald Hoyt; CA
 ROBERTSON, Jack Bennett; TX
 ROLL, Walter F., Jr.; TX
 SEPELA, Michael J.; OH
 SEYED-SULEIMAN, Abdul Matin
 SHAW, Bobby Louis; CA
 STANLEY, Patrick Mcdow; NM
 STONE, Donald Lee; TX
 SULLIVAN, Gilbert Clark; NM
 TANKERSLEY, Earl Lynn; AZ
 TAYLOR, George William; CA
 TORBERT, Ronald Louis; TX
 TRAVER, Gerald Dennis; CA
 VALENZUELA, Raul; TX
 VASKOV, Simeon; NM
 VIGIL, Reuben Cornelius; NM
 WALLS, Jimmy Ray; NM
 WELSHER, Douglas E.; NJ
 WEST, Troy Lee; TX
 WILLIAMS, Glen Wayman; MI
 WILLIAMS, William Russell; CA
 WILLOUGHBY, Roy Blair; NM
 WORMALD, Lawrence Willis; NY
 ZETTEL, Peter Anthony; AZ
 ZIMMERMAN, Richard Lee; VA
 ZUMWALT, James Frederic; AR

1964

ADAMS, Loren Dean; CA
 ANDREWS, Arlan K., Sr.; IN
 BALWANTH RAO, Ratnal
 Muthialoo; TX
 BEATY, Leslie H., Jr.; NY
 BECHTOL, Joseph J.; CA
 BESTHORN, Jarrell W.; CO
 BUGAY, Glenn L.; TX
 BULLER, Bruce Thumma; FL
 CAMBIO, Orlando D., Jr.; WI
 CAMPBELL, James W.; NM
 CARSON, Jeri L.; CO
 CASSAN, James T.; WA
 CATES, Albert Lee; VA
 CHIN, Ball; NM
 CHISHOLM, Tom Shepherd; CO
 DALE, John Ted; CO
 DASE, William G., Jr.; TX
 DAVIS, James A., III; CA
 DAVIS, Noel Dwayne; AZ
 DICKNEITE, Alphonse Joseph; NM
 DONALDSON, Jerry D.; MD
 DORSEY, James J.; VA
 DRACE, Frank P.; TX
 DYRUD, Chester A.; MD
 ELEGANTE, Frederick L.; AL
 ELLIS, Wallace Daniel; TX
 EZELL, Thomas Franklin; NM
 FALCONI, Louis J.; NM
 FEEZEL, David E.; TX
 FERGIN, Richard Kenneth; CA
 FLURY, Ronald L.; NM
 FOBES, Ramon Daniel, Jr.; VA
 FRANCHINI, Johnnie V.; NM
 FRANKLIN, William Wyatt; MD
 FRANKS, George W.; AZ
 FREEBURG, Robert Stuart; NM
 GILLIARD, Willis Lavara; MN

1965

ABU-AFIFEH, Mohammed M.
 ADAMS, John R., III; CA
 ANDREWS, Duane E.; NM
 ARCHULETA, Jacobo Rogelio; NM
 ARNOLD, Deane W.; NM
 ARTHUR, Harris; AZ
 BARROW, William L.; OH
 BARSUASKAS, George Joseph; NM
 BELL, R. Richard; CA
 BERTOLETT, Craig Randolph; TX
 BINNING, Cogal David, Jr.; HI
 BINNS, W. B.; CO
 BLACKWELL, Louis; VA
 BOWMAN, Ronald William; CA
 BRANDENBURG, Thomas C.; FL
 BRITO, David George; CA
 CALDWELL, James B.; TX
 CARRICK, John C.; NJ
 CAVEGLIA, Richard Dennis; CA
 CHAFFIN, Harry J.; OH
 CHAVEZ, Celedon; CA
 CHAVEZ, Henry, Jr.; NM
 CHRISTENSEN, Kenneth W.; MI
 CORNELIUS, Robert S.; TX
 CUNNINGHAM, Donald G.; NM
 DANLEY, William I.; NM
 DAVILA, Joe A.; CA
 DEXLER, Morris; NM
 EARL, Tommy Lynn; TX
 FIERRO, Clemente; TX
 FLOYD, Judith Boyd; NM
 FOWLER, James C.; MD
 FRYE, Gene W.; NM
 FUCHS, Jerry Clinton; SC
 FUGIT, Brian B.; AZ
 GALLOWAY, Bruce G.; NM
 GANSTINE, Dennis G.; TX
 GARDE, Raymond; NM

GARDUNO, Gilberto; MD
 GILL, Ross Todhunter; CA
 GRIFFEE, Galen Orrie; MD
 HAMILTON, Michael Paul; NM
 HANSON, Thomas Norman; KS
 HELLER, Carol Ray; OK
 HELM, Michael L.; CA
 HERNANDEZ, Hector R., Jr.; CA
 HOLBERG, Dieter E.; CA
 JENNINGS, Don Roy; NC
 KIMBALL, Ronald R.; NH
 KNORR, Daniel Brainard; TX
 LARTER, I. James; OH
 LATOURRETTE, Robert William; CA
 LAUGHLIN, Edward Nikolai; NM
 LAYFIELD, Warren Allen; OH
 LECHNER, John Wellington; TX
 LEE, Daniel Dong; CA
 LEE, Edward Brown, III; PA
 LIEBERT, Thomas Andrew; NJ
 LOCKWOOD, Richard Blair; TX
 LOVITT, Virgil Ladell; CA
 MACK, Ernest Howard; AZ
 MADISON, Henry Claypool, Jr; MA
 MARKER, Lawrence Russell; AL
 MARSHALL, Stephen Wesley; TX
 MARTINEZ, Elias Valentin; NM
 MARTINEZ, Francisco Javier; TX
 MC CONVERY, John Clarence; OH
 MEDCALF, William Edwin, Jr; NM
 MERRILL, John William; CO
 MICHAEL, George Perry, Jr; AZ
 MILKS, Robert Duane; FL
 MILLER, Jackie Ray; CA
 MILLER, James Otis; TX
 MITCHELL, Dee Tim; AK
 MOORE, Henry Eugene; NM
 MORALES, Cesar
 MOULDER, Michael Harley; TX
 MURRAY, James Ernest; AZ
 MURRAY, Lark Richard; CA
 NEATHERY, Raymond Franklin; OK
 O'BRIEN, Walter James; TX
 ODOM, Connon Ray; NM
 ORTIZ, Paul G.; WA
 PACHECO, Roman Alfredo; NM
 PARKERSON, Victor Ross; NM
 PARMELEE, Robert Alexander; TX
 PATEL, Champaklal T.; FL
 PATTNI, Anun Kumar; NM
 PETTY, George K.; CA
 RATLIFF, Robert Adrian; TX
 REDDY, Dan Roy; NM
 RIDGE, Larry Keith; TX
 RIPLEY, Edward Payson, IV; NJ
 RIVERA, Carlos Diego; NM
 ROE, John Franklin; CA
 ROGERS, Ralph Durward; TX
 RUMINER, John Jay; NM
 SELLERS, John William; AZ
 SHEEHAN, John Anthony; PA
 SMITH, Alvy Ray, III; CA
 SMITH, Phillip Ray; NM
 SMITH, Richard Frank; CA
 SPARGER, William Harry; TX
 STEVEN, Horace K., Jr; VA
 SYDOW, Helen Davison; NM
 THOMASON, William Taylor; NM
 THOMPSON, Charles Hugh; CA
 TORRES, Juan; IL
 TSCHANZ, Bruce Allen; TN
 TSUKAMOTO, Kenichi
 TYREE, Clifford Dale; MI
 WARREN, Thomas N.; NM
 WEISS, Chris Lehman; NM
 WELLS, William C., Jr; CO
 WHITAKER, Jerry Lee; TX
 WIESE, Donald Henry, Jr; TX
 WILBUR, Robert Leighton; TX
 WILEY, Harry Carlton; NM
 WILLIAMS, Leonard Douglas; NM
 WISE, Robert Duane; TX
 WOOD, Charles Earl; NJ
 WOODS, Keith Allison; CO
 ZOJWALLA, Joyab Abbasbhai; PA

1966

AIMES, Larry A.; TX
 ANDERSON, Ronald A.; MN
 ARAGON, Hector Ernesto; NM
 ARTHUR, Joy Lim; NM
 BAUMAN, Francis T.; PA
 BELL, Donald R.; NM
 BERING, Christopher R.; AZ
 BEVIS, Coleman O., Jr; VA
 BIVINS, William S.; MD
 BLACK, Wayne R.; NM
 BLANTON, Bert H.; OK
 BOEHM, James A., III; NM
 BOONE, Paul R.; TX
 BRADFORD, Robert D.; TX
 BRADFORD, Wendell L.; SD
 BREWSTER, Larry Thomas; MO
 BRIGHT, Philip Robert; AZ
 BROW, Christophe Lee; TX
 BURROUGH, Walter Stephen; FL
 BYRON, John W.; OK
 CARNAHAN, George; CO
 CHAMBERS, Charles E.; AZ
 CHURCH, Robert G.; WY
 CONOVER, James P.; TX
 COOPER, Allan Estes, Jr; NM
 CORDOVA, Delfin N.; CO

COTTEN, Roger P.; TX
 CROWELL, Max E.; AZ
 CUMMINGS, Byron K.; NM
 DESAI, Kartik Kanubhai; NY
 DIXON, Richard Mack; MN
 DUTRA, Charles R.; TX
 ECKER, Donald E.; CO
 EDGAR, Robert M.; NM
 EDMONSON, Larry Dan; PA
 EDWARDS, Thomas C.; NM
 ELLIOTT, Michael Scott; CA
 FAGOT, Martin G.; MS
 FIEDLER, Harald P.; FL
 FLEMING, William S.; NM
 FORMAN, Laurence Steven; CA
 FOX, Roy Glenn; TX
 FRASSANITO, Robert A.; NM
 FREEMAN, James A.; CO
 FUTRELL, Raymond A.; VA
 GATES, Charles E., III; TX
 GONZALEZ, Francisco; NM
 GOODMAN, L. Neil; CA
 GRAVES, Richard Columbus; TX
 GREGORY, Phillip C.; NM
 GURULE, Joseph Eloy; FL
 GUTOWSKI, James A.; NJ
 HAGAR, Donald Kieth; PA
 HALEY, Mack Wright; NM
 HANSON, Jackson D.; TX
 HANSON, Robert R.; AZ
 HARENBERG, Henry Charles; NM
 HARPER, Ernest Maurice; NM
 HARRIS, Theodore Garrard, Jr; NM
 HARRISON, James E.; CT
 HECKENDORN, Harry C.; NM
 HEILER, Bernard Francis; WV
 HICKS, William Moore, Jr; NM
 HILL, Malcolm Fielder; NM
 HOCKETT, John E., III; AZ
 HOPPER, Connie Eideane; NM
 HORNE, William Allen; CA
 HSIEH, Jen T.; CA
 HUTCHINSON, William Bertel; NM
 JANES, Clinton C.; AZ
 JOHNSON, Jimmie Ronnie; OH
 JOHNSON, Ora W.; ID
 JUAREZ, Juan Antonio; FL
 KANTEBET, Kishore Vithal; MI
 KELSAY, Harry Stanley; OR
 KILLIAN, William R.; NM
 KISSAM, Robert R.; NM
 KOGLIN, Thomas John; NM
 LAPOINT, Joseph Alexander, Jr; CA
 LEAVELL, Larry Dale; TX
 LITTLE, Michael Orin; OK
 LUMSDAINE, Edward; OH
 LYNN, William Richard; OK
 MANSUE, Lawrence John; IN
 MATLOCK, Roger Lee; LA
 MIDKIFF, William Schuyler; NM
 MIRE, Gary Elwood; AL
 MONTGOMERY, Charles E., III; AZ
 MONTROYA, Gilbert Anthony; NM
 MORRIS, James Lee; NM
 MURRAY, Richard Gordon; TX
 NAVARRO, Robert; TX
 NEWMAN, Evelyn Billio; CA
 NIBLETT, James Edward; AL
 NICHOLSON, John Taft; NM
 NORMAN, Richard Malcolm; CA
 NOSKER, Brian Ralph; UT
 ODOM, Roger Dwain; NM
 OEFELIN, Joseph Charles; NJ
 POTEAT, Tommy Leroy; NJ
 PUTNAM, Terry Lee; CA
 QUIGGINS, Ronald Neal; TX
 RABY, Robert Allen; NM
 RADOSEVICH, Roger Allen; NM
 REHL, Gayle Estus; TX
 REZELMAN, James Alan; FL
 RHOME, Robert Charles; VA
 RICHEY, Lewis Lee; CO
 RICKEY, Donald Edward; CA
 ROUDEBUSH, William Kersey; CO
 SCHLETTNER, Rudolph Max, Jr; ID
 SEERY, Charles Edward, Jr; OK
 SEIBEL, David Milton; CA
 SHAH, Hemant Kalyanbhai; NJ
 SHAH, Maganlal Sardarmal
 SHERRILL, Michael Lonnie; TX
 SHIPLEY, James Parish, Jr; NM
 SIMONSON, David Peter; MD
 SMITH, David Eugene; TX
 SMITH, Irvin Lynn; NM
 SMITH, Jerome Carson; AZ
 SMITH, Michael B.; NM
 SPANOGLE, Dennis Emmert; NM
 SPENCER, Charles Vernon; NM
 STRADLING, Jack Sherwood; NM
 STRAND, Dennis Holmes; CA
 STRINGER, Herbert Dean; TX
 SUNALP, Erdal Mehmet; CA
 SYLVESTER, John Leon; CA
 TAKASHIBA, Norman Koichi; HI
 TALICH, James Richard; HI
 TAYLOR, Stephen D.; CA
 TILGHMAN, Jimmie Steve; NM
 TILLMAN, Jerry Ray; NM
 TILLMAN, Nolan Virge; NM
 TORNGREN, Eric Wayne; HI
 UNCAPHER, Jon Elwood; NM
 VALDENEGRO, Julio, Jr; OR
 VALENTINE, Jerald Alan; NM
 VEHSTEDT, Robert William; NM
 VELIA, James Kenneth; CA

VIGIL, Manuel Gilbert; NM
 WACHTLER, William Joseph; CA
 WHITINGTON, Harry M., Jr; TX
 WILEY, Alvin Roy; TX
 WINCHESTER, Michael L.; NM
 WOLF, Donald Marshall; MD
 WOLFE, James Austin; AK
 WOOD, Warren T.; NM

1967

ABDEL-RAZAQ, Ahmed Yousef
 ALDRIDGE, John W.; TX
 ALDRIDGE, Richard W.; TX
 ALLEN, Joseph Anthony; NM
 AMESQUITA, Jesus Manuel; NM
 ANDERSON, Charles B.; NM
 ARAGON, Leopoldo; CA
 ATKINSON, John H.; AZ
 BARNES, Don Michael; CA
 BARRETT, Robert M.; CA
 BARTOSIK, Edward J.; CA
 BAXTER, Eugene W.; CA
 BEAKLEY, B. Joe; TX
 BENSON, Robert A.; RI
 BIGBEE, John D.; OR
 BLACKMAN, Darrow H.; NM
 BORDENAVE, Jean Jacob; NM
 BRIDGES, William Walter; NM
 BRISENO, Raul; TX
 BYARS, Larry Lee; NM
 CALL, Darrell L.; NM
 CAMPBELL, Dennis R.; WA
 CARMACK, James W.; WA
 CAUDILL, Herbert, Jr; NM
 CHANG, Yun; CA
 CHARTIER, Everette E.; AZ
 COLEMAN, Michael B.; NV
 COOPER, Ronald B.; NM
 CORLEY, Watt A.; AZ
 COX, Tom L., III; NV
 DAVIES, John S., Jr; VA
 DAY, Robert T.; NC
 DEHAVEN, Russell A.; NM
 DEVILLE, Lionel B., Jr; LA
 DICK, Richard L.; AZ
 DI MARTINO, Louis M.; IL
 DUGGAN, Michael J.; TX
 DUKE, Douglas Michael; LA
 DURGIN, David L.; NM
 EAGER, Donald R.; TX
 EATON, T. James, Jr; AZ
 ESFAHANI, Ahmad M
 EVANS, Raymond George; AZ
 FISHER, Richard L.; IN
 FISK, Frank B.; NM
 FORREST, Gerald D.; TX
 GALBRAITH, Gary Matthews; NM
 GARCIA, Carlos E.; NM
 GARCIA, Paul David; CA
 GAYTHER, James Walter; WA
 GIBSON, Howell Barclay; NM
 HAMITER, Marvin Alvin; NM
 HANNAH, William Nelson; NM
 HARDY, Robert Douglas; NM
 HARTMAN, Chalmers H.; VA
 HILL, Tom Harvey; TX
 HINES, Walter Gerald; NV
 HOLCOMBE, Howard W.; CO
 HOOD, James Morgan; CA
 JAIN, Sukhnanand V.; FL
 JARAMILLO, Richard; NM
 JENKINS, Gary Michael; WA
 JHALA, Kishor; WA
 KAPADIA, Jayant Karsandas; PA
 LANDI, Anthony Michael; NY
 MAGERMAN, Bruce Robert; FL
 MARTIN, Francine Pierrot; CA
 MATHIS, Charles Robert; TX
 MAULDIN, I. Gene; TX
 MELFI, William Jerome; NM
 MEYER, Larry James; TX
 MICHEL, William B., Jr; CO
 MILLER, Daniel Richard; SD
 MILLER, Ronald Joe; TX
 MIRON, Richard Lawrence; CA
 MONACELLI, Raymond Paul; CO
 MONTROYA, Lawrence Corley; CA
 MORENO, Ricardo Carrillo; CA
 MORRIS, Duard Ione; NM
 MOSLEY, Billy Wayne; TX
 MUSSER, Edward L.; TX
 MYER, John Douglas; AZ
 MYERS, Jack E.; NM
 NELEIGH, James Edward; IA
 NELSON, John Lupton; NM
 NEWCOM, Carlin Cybert; NM
 NIMROD, Daniel Warren; AL
 NORHEIM, Allen Oliver; VA
 NORTHRIP, Richard Nelson; NM
 O'NEAL, Charles L., Jr; NC
 PADILLA, Dan Nino; NM
 PANG, Chung H.; NY
 PATEL, Kanubhai Sombhai; MI
 PATIL, Pandit Goba; VA
 PEARSON, Keith Henry; TX
 PHILLIPS, George Allen; TX
 PREVID, Franco; MA
 PRITCHETT, Harold Ray; AZ
 PRUSKY, Irvin Jack
 QAVI, Mohammed Abdul; CA
 REISCHMAN, Michael M.; MD
 RIGNEY, Charles Holland; AZ
 ROBINSON, Terrance Dee; NM
 ROMAN, Nathanael; NM
 SACHSE, Robert Arlo; AZ

SALAZAR, Obed M.; AZ
 SANDERS, Joel Henry; NJ
 SANGHUI, Rajendra S.; MI
 SCHRYER, Donald Ross; NM
 SEAVER, Albert Edward; MN
 SEWARD, Walter D.; OH
 SEYMOUR, Ronald Darrell; OK
 SHAH, Girish Chunilal
 SHAH, Madhusudan Manilal; NJ
 SHARP, George Robert, Jr; PA
 SHEW, Philip Wendell, Jr; NM
 SHORTRIDGE, Michael Lea; CO
 SHUDDER, Russell Marshall; NM
 SLETTEN, Robert Selmer; NH
 STICE, Clifford Merrill, Jr; CO
 ST. JOHN, Donald Harvey; TX
 STONE, John Eaton, Jr; AZ
 STORR, Lloyd Neel; NM
 SWINSON, Gary Eugene; CA
 TAYLOR, Timothy George; NM
 TSAI, Chi-Hsiung; NJ
 UPTON, Ted Mims; NJ
 VAUGHN, Donald A., Jr; MD
 VIERA, William, Jr; FL
 VIGIL, Carlos Frutoso; NM
 WHITFIELD, Howard Elvis; TX
 WILKINS, Eugene George; CA
 WINANS, David Craig; TX
 WINN, Robert Kirk; WA
 WORMAN, John E.; NM
 WRIGHT, Westley Ronnie; NM
 WYACO, David Wayne, Sr; NM
 YOUNG, James Arthur; TX
 ZAMORA, Charles Lauriano; TX

1968

ADAMS, Jack Leon; TX
 ADHYARU, Tarun B.
 AKHARS, Salem Mohammad; IL
 ARCHULETA, Edmund G., Sr; NM
 ASHAR, Sudhir T.; LA
 ASHER, Pralad Tulcidas; LA
 BANKS, David D.; CA
 BAUM, James William; OK
 BEHOUNEK, Charles J.; ME
 BELCZAK, Thomas E.; KY
 BENAVIDEZ, Ray B.; NM
 BENJAMIN, Thomas L.; CO
 BERTONCELJ, Carl R.; TX
 BHANDHUSAVEE, Choochin; AZ
 BIEL, Richard C.; NM
 BOUMA, William E.; NM
 BOYD, Hugh Lee, Jr; TX
 BROW, Larry W.; NM
 BROWN, John Lawson; NM
 BROWN, Roger Pemberton; TX
 BURKSTALLER, John E.; NM
 BURNS, Dennis R.; CA
 BURNS, Malcolm John; CA
 CAPLES, Robert Osorio; NM
 CARLSON, John Allen; TX
 CARMEN, Jeremy R.; OK
 CARTER, Garrett M.; FL
 CHAVEZ, Joe Lopez; NM
 CHU, Tillman Ti-Hwa; CA
 COLE, Ronald C.; TX
 COLEMAN, Ronald P.; TX
 COOPER, Clifford D.; CA
 CRAIN, Jim G.; OH
 CREAGER, James D.; NM
 CUNDIFF, Roger Evan; VA
 DAVIET, Leslie L., II; AZ
 DAVIS, Kenneth L.; IL
 DAVISON, Edward Timothy; OR
 DESAI, Lalitukuma Giridharlal; IA
 DIMSHA, Stanley J.; NM
 DITTMAR, John; TX
 DRAGANI, Raymond James; FL
 ELLIS, James Richard; CA
 ENGLE, Roger E.; CA
 EVANS, John Charles; GA
 FREEMAN, Craig James; TX
 GALLEGOS, Gilbert E.; NM
 GALLEGOS, Thomas G.; MD
 GANDARA, Arturo; CA
 GARCIA, Tom s Esiquel; TX
 GARCIA, Tomas Esiquel; TX
 GARRISON, Stephen H.; CA
 GIPE, Donald C.; CO
 GLENN, John R., III; AZ
 GOMEZ, Leroy Chavez; NM
 GRAY, Lonnie Gene; TX
 GREEN, Dixie D.; CA
 GRIFFIN, Robert Erwin; TX
 HAMMOND, Robert Dean; CO
 HELSING, David V.; NJ
 HENDERSON, Gary W.; WA
 HEYSER, Robert E.; NM
 HOLTMAN, James Patton; OH
 HORNE, Fred W.; VA
 HUDSON, William V.; CA
 HUSAIN, Shamoun; MD
 JACKSON, Charles Herbert; AZ
 JARAMILLO, Jose Florencio; CA
 JARAMILLO, Lotario, Jr; NM
 JEFFERSON, Harry Ross; TX
 JENKINS, Ronald Kenneth; CO
 JENSEN, Robert E.; AZ
 JOHNSON, Winston A., II; NM
 JONES, Daryl Paul; SD
 JONES, Robert Eugene; AZ
 JONES, William Wade; NM
 KANANI, Padmasen Ramdas; TX
 KENNEDY, William Bain; CA
 KHONA, Ramesh C.; FL

KIDWELL, Charles C.; TX
 KLEIST, Ronald Alvin; WI
 KONTY, Larry Frank; CO
 LACKEY, Dewey Dalton; NM
 LAMB, Michael David; CA
 LINDSEY, Gary Frederick; NM
 LLOYD, Kenneth Hudson, Jr; TX
 LOPEZ, Donald Toby; NM
 LOREN, Robert Bruce; NM
 LOVETT, Wesley Lloyd; NM
 LOW, John G., Jr
 LYON, Delton Ray; NV
 MAAG, John Abbott
 MACIAS, Ruben Angel
 MANAHAN, Jay Barclay; CA
 MANNING, Michael Clifford; NM
 MARQUEZ, Arturo A.; NM
 MARTIN, Carl Richard; TX
 MARTINEZ, Celso Clyde; CA
 MARTINEZ, Eluid Levi; NM
 MARTINEZ, Ross E., Jr; TX
 MAULDIN, Ronald James; TX
 MC CARTER, Lawrence A., Jr; MD
 MIDDLETON, James Walsh; TN
 MILLER, Mark R.; AZ
 MONTGOMERY, Robert Gary; TX
 MOORE, Bruce Paul; NM
 MOORE, Wayne Ellsworth; MA
 MURPHY, Michael Bruce; NM
 MURRILL, James Richard; TX
 NARVAEZ, Henry Frank; NM
 OROSCO, Rudolph; TX
 ORTIZ, Jose Carlos; NM
 PARR, Dennis Harold; WA
 PELLETTE, Philip Robert; LA
 PINGEL, Charles Evame; WI
 PONTON, George Evan; NC
 RADOSEVICH, James Douglas; MD
 RAMPLEY, Gregory P.; AZ
 RAWAL, Pramod Manilal; CA
 RICCI, Romolo F.; FL
 RICHARDSON, Lawrence Oliver; TX
 ROBISON, Albert Joe; NM
 RODGERS, Samuel S.; CO
 ROETHER, Phillip Lamar; TX
 ROLLINGS, Robert Bruce; OH
 ROMERO, Juan Jose; WA
 RORRIS, Daniel Lawrence; ID
 ROTH, Roger Ray; CA
 RUSSELL, Ronald Winston; CA
 SCHELLENBERG, Roy Lee; CA
 SEWARD, John Edward; KS
 SHAH, Ramesh Ramanlal; CA
 SHAW, Lance Dunn; CA
 SHELTON, Mary McDonald; WA
 SHELTONS, Henry Stephen; CO
 SMITH, John M.; OH
 SWEEM, John T.; NM
 TEIPE, William Austin; CA
 THOMAS, John, Jr; NM
 THOMPSON, Jackie Lloyd; TN
 TUCKER, Robert Lee; NM
 TUPPER, Thomas Suggs; CA
 TUTTLE, Willard Nicholson; OK
 VALDEZ, Joddie J.; NM
 VALDEZ, Levi Jose; NM
 VAN PELT, William Lee; NM
 VAUGHAN, Donald Alex, Jr; MD
 WADE, Charley E.; NM
 WANG, Pao-Lien; NC
 WHITE, Leslie Ray; TX
 WIANT, Jerry Robert; TX
 WILSON, Carolyn Woodriddle; WA
 WILSON, Robert Duane; VA
 WOLKOWICZ, Robert Edward; CA
 YOUNG, Samuel

1969

ALLEN, James Fred; NM
 ALLEN, Kenneth G., Jr; TX
 ANDREWS, Michael W.; TX
 ATKINSON, James R.; TX
 BACH, Lawrence H.; TX
 BAIRD, B. Thomas, III; TX
 BARELA, Joe Albert; TX
 BARRETT, Richard Rodney; TX
 BECK, Joe R.; TX
 BILLS, Philip; MD
 BLACKWELL, Clyde D.; TN
 BOGART, Albert Ray; OH
 BOGGS, Ralph R.; TX
 BOWEN, Paul E.; IL
 BOYLES, Homer T.; IL
 BROMILOW, Neil Frank; NM
 BROWN, Michael T.; NE
 BROWNSON, Rollin C.; TN
 CANTRELL, James B.; NM
 CARSON, Robert Francis, III; NM
 CHARLES, William P.; TX
 CHATFIELD, Mark Morton; VA
 CHOISSER, Bill; CA
 CHONG, Alan S.; HI
 CHOWNING, Ray E., III; WI
 CLAYTON, Ronald C.; LA
 COLSTON, Earl Lee; NC
 CONRAD, Carl Lee; CA
 COOPER, Donald W.; TX
 CORL, Charles; NM
 CUNNINGHAM, Samuel L.; PA
 DAMEWORTH, William O., III; ID
 DAVIS, George L.; TX
 DAVIS, James N.; CA

DAVIS, Joseph L.; WA
 DITTO, Donald Douglas; NM
 DONHAM, Bobby Joe; NM
 DYER, Robert Bruce; CO
 ESCH, Gary L.; FL
 EVETTS, Robert M.; NM
 EYER, Michael Wayne; AZ
 FEEZEL, Tommy L.; TX
 FELDMAN, Arnold Lewis; TN
 FINCHER, Russell Lee; AZ
 FINKBEINER, Walter Kurt; TX
 GIGGER, Richard Pierce; Jr; TX
 GILLILAND, Andrew E.; CA
 GORZINSKI, Walter Joseph; TX
 GRABEEL, Arthur Loyal; IA
 GRAHAM, James Paul; TX
 GRAY, David; PA
 GRAY, Raymond Franklin, Jr; NM
 HANSON, Blaine Richard; CA
 HARRINGTON, James Arthur; TX
 HAY, John H.; TX
 HAYMAN, Gerard J.; TX
 HORTON, Edward Frank; TX
 HUGGARD, William E.; CA
 JAEGER, Dwight L.; NM
 JARAMILLO, Vivian Antonio; AZ
 JONES, Durwood Lee; NM
 JONES, Frank H., Jr; AZ
 JONES, Thomas Jefferson; OH
 KOENIG, Karl Andrew; IN
 KOZELSKI, Frank Anthony; NM
 KRAMER, Gary R.; NM
 LANGENEGGER, Jack Wade; NM
 LITTLE, Edwin Jackson; CO
 LOPEZ, David Eugene; AZ
 LUCERO, Donald; NM
 LYSTAD, Henry Douglas; PA
 MARTINEZ, Manuel Guillermo, Jr; NM
 MATTHEWS, David Wood; TX
 MEDRANO, Louis James; NM
 MERCER, Ellis Wellington; AK
 MILLER, Bruce Duane; MO
 MILLER, James Russell; NM
 MOYNIHAN, Terry; NM
 MURRAY, Bobby Justin; TX
 MYERS, Homer Steven; TX
 NELEIGH, David Wright; TX
 NELSON, Louis S.; TX
 PAGE, Dennis W.; NM
 PALERMO, Henry William; CA
 PAXTON, William Sloan, Jr; TX
 PEINADO, Raul Oscar; TX
 PILCHER, Vernon Duane; NM
 PIOR, Jack Travis; FL
 PIPPIN, William Charles; AL
 POTTER, Dennis Jack; GA
 PRICE, Lester Wayne; NM
 QUERY, Dale Gene; NM
 QUERY, Gail Dean; AZ
 QURAIIDIS, Saleh Ibrahim
 RAGLAND, David Clifford; CA
 REAY, Dewey Victor; AZ
 RODKEY, Larry Franklin; CA
 RODRIGUEZ, Tranquillin Ernesto; CA
 RUSSELL, Danny; NE
 SAIGE, Vance Errol; VA
 SALARS, Daniel Nile
 SANCHEZ, Manuel Daniel; NM
 SAYRE, Douglas Martin; NM
 SEERY, John Thomas; OK
 SHEARER, Harold Wayne; VA
 SHIELDS, Lee Eddie; NM
 SHYMAN, Gerhardus C., Iii; TX
 STRETZ, Larry A.; NM
 STULTING, Roy M.; AZ
 TAM, Yiu Bong; FL
 TILLERY, Bernard Ray; TX
 TOWNSEND, Wayne Raymond; NM
 TRUJILLO, Theodore J.; NM
 TURNAGE, Douglas Lee; CA
 VARELA, Richard Arthur; TX
 VOSS, Michael; NV
 WATERMAN, Alexander; NM
 WAYLAND, Vincent Brisben; CO
 WEST, Paul Tolliver; TX
 WHALEN, Powell John; NJ
 WILES, Michael Frederick; TX
 WINTON, John D.; NM
 WOLF, John David; CA
 WRIGHT, Robert G.; NM
 WUNSCH, Donald Coolidge; NM
 WYATT, Linda Barton; TX
 WYGANT, Dean Everett; NM
 ZAHN, William Marvin, Jr; TX
 ZERWEKH, William David, Sr; NM

1970

ADAMS, David Lee; FL
 ALCALA, Jimmy D.; CA
 ALLMON, Curtis Dewayne; TX
 APODACA, Harry Louis, Jr; NM
 ASBURY, Charles Ted; NM
 ATKINS, Jackie D.; NM
 BAKER, David E.; TX
 BAKER, Lara H.; NM
 BALLING, John A.; NM
 BARNES, Teddy Lee; MS
 BEAKLEY, John Coleman, II; NM
 BERGGREN, Jan Charles; FL
 BHEDA, Manilal P.
 BICKEL, Donald W.; CA
 BOLDRA, Gary L.; AZ

BRAND, James William; OK
 BRANOM, John K.; CA
 BROSCOFF, James Steven; TX
 BRYANT, David M.; NM
 BUNTEN, Byron Lee; CA
 CAMPOS, Angel C.; NM
 CARL, Roger Max; TX
 CAST, Gerald L.; TX
 COLE, Jerry M.; AZ
 COLEMAN, Joe E.; NM
 COMYFORD, Dale E.; CO
 COOPER, Dennis R.; NM
 COVINGTON, Freddie W.; NM
 CURNUTT, Freddy Wayne; NM
 DANFORTH, Elmo J.; LA
 DAY, Larry R.; CO
 DELP, Roger Allen; AZ
 DI MATTEO, Carl A.; NM
 DIMSHA, Alan R.; NM
 DIRNBERGER, Alfred W.; TX
 DONAHUE, Gerard F.; CA
 EAST, John Delos; TX
 ERICKSON, William E.; NH
 FINCHER, Keith Stephen; NM
 FISHER, Lawrence Thomas; NV
 FONG, Albert Man Ching; CA
 FRANKLIN, Nelson M.; AK
 FRANKLIN, Richard P.; CA
 FULLER, A. Dean; OK
 GABALDON, Manuel; NM
 GARCIA, Rosendo, Jr; NM
 GARNER, Larry W.; TX
 GIESEY, John M.; NM
 GILLIS, Robert Everett; NM
 GINSBERG, B. Pruitt; NM
 GOAR, John Fratus; TX
 GOLDSTEIN, Robert Stephen; NH
 GOTT, Ronald D.; TX
 GRAHAM, Randolph McFarland; TX
 GREAVES, Lloyd Douglas; UT
 GREENLEE, Robert H.; NM
 GRIFFIN, William Michael; TX
 GROSS, Walter F.; NM
 GROVES, Donald Jackson, Jr; NM
 GUARD, Steve William; NM
 GUSS, Gary Lyn; NM
 HAFEN, Blaine Elmer; WA
 HAIDERMOTA, Shabbir Abdulaly; NJ
 HALL, Benjamin; TX
 HARDIN, Stephen Frederic; NM
 HARGIS, Kevin Morris; TX
 HARRIS, James Edward; NM
 HEATHMAN, Ken E.; TX
 HEISER, Michael Robert; NM
 HELMS, Donald Perry; TX
 HENRI, Francis William; NM
 HIGHTOWER, Gary A.; NM
 HOHSTADT, Ray A.; TX
 HOHSTADT, Sharon O'Quinn; TX
 HOLMES, William A.; IN
 HRABAK, Robert C.; NM
 IKELER, Michael Lee; CO
 JAMA, Hussein H.
 JAMESON, Douglas Lloyd; CO
 JANSSEN, John Peter; VA
 JONES, Ronald W.; NM
 KEISLING, James Dale; CO
 KIRKPATRICK, Robert Earl; NM
 KOON, James Ray; TX
 LA DRIERE, Albert Joseph, III; MD
 LAPKE, Robert August; IL
 LARRINAGA, Adalberto; TX
 LEDVINA, Joseph Charles; TX
 LEYENDECKER, Philip G.; NM
 LEYENDECKER, William Eugene; NM
 LINHARDT, Wilbur James; CA
 LIZER, Wayne Harlan; CO
 LUDOVIC, Kurt Frederick; TX
 MADRID, Marcos Jose; AR
 MADRID, Max, Jr; NM
 MAES, Rudy Joe; OH
 MAHOOTY, Clifford; NM
 MARTIN, Joseph Anthony; NM
 MARTINEZ, Danny Nick; NM
 MAXWELL, James Howard, Jr; AZ
 MELTON, Duane Wesley; TX
 MERCHANT, John Douthit, III; NM
 MILLER, Richard J.; CA
 MOCHO, John Harold; NM
 MONTALVO, Byron Gerardo; CA
 MONTMAN, James Henry; AZ
 MORALES, Arturo Eloy; NM
 MORAN, Ricky Devert; GA
 MORRIS, Richard Lee; NM
 MOULDS, William J., Jr; NM
 MUELLER, Larry Mell; CA
 MURPHY, Robert Lawrence; FL
 MUSE, Hiram Stanley; NM
 NEEDHAM, Kenneth Maxwell; NM
 NICKERSON, Timothy Jay; TX
 NUNLEY, Robert Lloyd; CA
 ORTEGA, D. Chris; NM
 ORTIZ, Reynaldo Ursulo; CO
 OSBORNE, William Pierce; TX
 PACHICO, Richard Henry; TX
 PACZYNSKI, Alex Stephen; NM
 PAZ, David Edward; AZ
 PELZER, William Fredrick; NM
 PHELPS, Cecil Clarence; CO
 POSEY, Gerald Wayne; NM
 POTOSKY, Dennis Evan
 POWER, Robert Calvin; AZ
 PRICE, Michael James; CO
 RIDENOUR, Paul Howard; PA
 ROBBINS, James Roche; TX

ROMERO, John Thomas; NM
 ROYBAL, Paul Clavin; NM
 ROYBAL, Richard Bernard; NM
 SABER, John Michael; NM
 SANCHEZ, Aron M.; NM
 SEARS, Patrick Allen; NM
 SEERY, James Roy; NM
 SEIDEL, Ronald Bruce; TX
 SHELTON, Ralph Paul; WA
 SHOULTS, Raymond Ronald; TX
 SIEVERT, James Bernard; TX
 SILCOTT, John William; TX
 SINGLETON, William Francis; CA
 SLOCUM, Ronald Edward; TX
 SMITH, Robert Gordon; AR
 SMITH, Ronald Ray; NE
 SORESENSEN, Leslie Dale; TX
 SORESENSEN, Marc Lee; GA
 SPENCER, Raymond Arthur; TX
 SPRIGGS, James Millard; TX
 STANFORD, Charles William; NM
 STETINA, Thomas John; NM
 STEWART, Michael Bruce; CA
 STEWART, Walter Finley; NM
 STOLARCZYK, Larry George; NM
 TAPIA, Ralph Onesimo; NM
 TARLOWSKI, Robert Thomas; AZ
 TATE, Harland Lee; TX
 TAYLOR, Larry Lorin; ID
 TEASDALE, Donald Monroe; NM
 THOMAS, David Reveal; NM
 THURMAN, Jack Anthony; AZ
 TILLEY, Coke Munro, III; MO
 TORREZ, Eloy Jose; PA
 TRONE, Donald Leroy; NM
 TRUJILLO, David Florenio; NM
 TRUJILLO, Levi Aloysius; NM
 TURNER, David Laurence; TX
 VELARDE, Thomas Gaylen; NM
 WAGONER, Douglas Wayne; CA
 WELCH, Ronald Lee; NM
 WILKINS, David W.; NM
 WILLARD, Ronald Gene; TX
 WILLIAMS, Jerry Lee; GA
 WILLIS, Larry Dean; CO
 WINBERG, Charles A.; TX
 WOOD, Billy John; CO
 WOOD, Michael Raymond; CA
 YOUNG, Lloyd Ray; TX
 ZAMAN, Qamar U; GA

1971

ACKERMAN, John T.; NM
 ALLEN, James Jennings; WA
 ANDERSON, David L.; OH
 ANDERSON, James A.; MA
 ANDERSON, Richard A.; NY
 ARCHULETA, Kenneth Leroy; KS
 ARNOLD, Norman E., II; NM
 ASHTON, James Donald; CO
 ATENCIO, Lorenzo E.; NM
 BACA, George P.; NM
 BARRETT, David E.; CA
 BARROS, Phillip Augustine; AR
 BATES, Gary Lee; CO
 BEATY, Billie Larry; NM
 BELARDE, Ernest; MO
 BERENBERG, John Lance; NM
 BOLES, Thomas L.; NM
 BOOTHE, J. Steven; NM
 BOWDEN, Robert Michael; AZ
 BRANNEN, James R.; NM
 BRATTON, Donald E.; NM
 BRODD, Ronald Eugene; NM
 BROWN, Hilton U.; CA
 BRUTON, William Link; CA
 BULGER, Dennis Frederick; NJ
 BURCH, Gary D.; TX
 BUSH, George W.; TX
 CAMARET, Timothy L.; CA
 CAMMACK, Charles J.; CA
 CATANACH, Paul Von Hinden; NM
 CHAN, Mai
 CHICKINSKY, Alan; MA
 CHILDS, Gerald Dale; OH
 CIZMADIA, Louis H.; NM
 CLARK, John W.; NM
 COFFMAN, Leslie W., Jr; NM
 COLLINS, James C.; TX
 CONNER, William Roby; NM
 COVINGTON, Robert A.; CA
 CUNNINGHAM, Larry Eugene; NM
 CURRY, Ronald L.; AL
 DALRYMPLE, Jack L.; OK
 DAY, Rick A.; CO
 DELGADO, Augusto S.
 DONALDSON, James W., II; NM
 EDDY, Robin J.; TX
 EDMONDSON, James D.; NM
 EGOODKIN, Alan Saul; TX
 ELLIOTT, Michael P.; ID
 EMERSON, Charles N.; AZ
 ENGLISH, John C.; AZ
 ENQUIST, Stephen T.; WA
 ETHERINGTON, William W.; UT
 FISHER, Ronald David; HI
 FISHER, David Lee; TX
 FISHER, Ronnie W.; CA
 FLORES, Victor; AZ
 FLOWERS, Alvan B.; NM
 FRESE, Michael H.; NM
 FRESE, Sherry Donohoe; NM
 FULLER, Robert H.; TX
 GALLEGOS, Ernie C.; NM
 GARCIA, David Clarence; NM
 GARCIA, Gerald Anthony; NM
 GARDNER, Gary I.; CA
 GARNER, Richard Gene; NM
 GATTON, Jerry Francis; NM
 GAVURNIK, Martin Alan; NM
 GAZAWAY, Jerry B.; CO
 GOODLOE, Mason F.; UT
 GOYAL, Satya N.; OH
 GRAY, Duane Albert; NM
 GREEN, Thomas Andrew; OH
 GRIFFIN, Ralph Stephens; NM
 GUZMAN, Eddie V.; TX
 HALL, Linas Virgil, Jr; NM
 HANSEN, Robert K.; AZ
 HARRIS, Donald Charles, Jr; TX
 HAYKAL, Abdul S.; TN
 HAZEN, James S.; NM
 HODGE, Jesse Lyle; CA
 HOLCOMB, Omer Kersey; GA
 HOLGUIN, Teofilo; NM
 HOLTAN, Archie Gilbert; OK
 HOPF, Philip Wendel; OH
 HORTON, Steven Lynn; TX
 HULL, Dwayne E.; CA
 JAKEWAY, Bill Benton; TX
 JHAVERI, Dilipkumar Jagdis; CA
 JOHNSON, Russell Alan; CA
 JOURDAN, Richard Everitt; NM
 KILAR, James Edward; IA
 KILBOURN, Russell A.; TX
 KING, Jerald Keith; NM
 KNIGHT, Hugh Ellsworth; NM
 KRUPNICK, David A.; TX
 LACKEY, Roy Bill; NM
 LAINE, Roger Alan; AZ
 LAMBETH, Richard Arlin; AZ
 LANG, James Francis; CO
 LEMONS, Michael A.; CA
 LENZO, James Joseph, Jr; NM
 LESNIAK, Charles, Jr
 LIPPIS, Joseph; NM
 LOOMIS, William Jay, Jr; NM
 LOPEZ, John Joseph; CA
 LORIER, William Wesley; WA
 LORY, James Robert; TX
 MAIN, Kenneth Edward; CA
 MAKIN, Ronald Lee; OR
 MANQUEN, Charles Dale; CA
 MARTINEZ, Emilio Marcos; CO
 MARTINEZ-SOLA, Jose Raul; CA
 MAYBERRY, Jon Wayne; VA
 MAYR, Gabriel Karl; TX
 MC COOK, John E.; NY
 MC DANIEL, Michael Lee; NM
 MC ENDREE, Charles Alvin; AZ
 MCKINNEY, Kenneth Holmes; CA
 MC NAUGHTON, Clark Arthur; OH
 MENDOZA, Gilbert M.; NM
 MILLER, Scott Dewain, Jr; MO
 MIXON, Larry Campen; AL
 MODI, Mohit Kumar; AZ
 MOORE, John Borton, Jr; TX
 MORRIS, James Phillip; CA
 NAGLE, Ray Eugene, II; NM
 NEHER, Douglas Leland; NM
 NICHOLS, Floyd Dean; CO
 NISHIOKA, David Joji; HI
 ORTIZ, Edward Frank; NM
 PARNELL, Harley Herbert; NM
 PETRICH, Thomas Curt; CA
 PROUTY, Salem Montgomery; AZ
 QUINTANA, Stephen Cris; NM
 RANKIN, John F.; CA
 RAY, Richard Allan; AL
 RHODA, Richard Guy; CA
 RITCHEY, Ralph Earl, Jr; TX
 ROMERO, Joseph I.; NM
 RYAN, Hugh William
 SACKETT, Samuel Albert; TX
 SALAZAR, Leroy A.; NM
 SANCHEZ, Roland Kent; NM
 SCOTT, Randolph Lee; NM
 SECKLER, James Giffin; IL
 SMITH, Craig Stephen; CO
 SNYDER, Thomas Alan; NM
 SOLIS, Vernon Alfred; TX
 SPENCER, Stirling Truman; NM
 STRICKFADEN, Gerald Ernest; NM
 SULLIVAN, Mark James; TX
 TISLER, Andrew Louis, Jr; OH
 TOGAMI, Robert Masao; NM
 TONINI, Daryl Edward; VA
 TORRES, Manuel Tony; OH
 TORREZ, Fred Chavez; NM
 TRUJILLO, Manuel; NM
 VASHISHIA, Anil Kumar; HI
 VEAZEY, David Carter; NJ
 VENABLE, Thomas Clyde; CO
 VIGIL, Pablo L.; NM
 WALDON, Billy Earl; CA
 WALKER, Murray Lindsay; FL
 WASHAM, Larry Eugene; NH
 WATJEN, David Henry; VA
 WATKINS, Leslie George, Jr; TX
 WEST, Milton C.; NM
 WHEELER, Thomas S.; TX
 WHITE, Logan Truman, Jr; AZ
 WHITE, Thomas Wilford; TX
 WICKE, Robert J.; CA
 WILLIAMS, Gary Leon; TX
 WILSON, Jay Lowell; AZ
 WOLFF, Warren Albert; CA
 WOOD, Randy Dale; TX
 WOODARD, Patrick Miller; ID
 WRIGHT, Wilbur Patrick; KY
 YANUS, James R.; OH
 ZSCHEILE, John Walter, Jr; UT

1972

ABERNATHY, Aden Jake; TX
 AGUILAR, Gilbert Charles; NM
 ALVAREZ, Salvador Potter; NM
 ANDERSON, David Marlowe; NM
 ANDREWS, Edward M.; CO
 ARGO, Peter S.
 ASHER, Girish Tulsidas; OH
 BAKER, David C.; TX
 BARNARD, Robert Lee; AZ
 BENNETT, John S.; NM
 BERGAM, Thomas Edward; CA
 BIERCK, William Jay, Jr; CA
 BOEHM, Robert M.; NM
 BOEHLER, David Francis; NM
 BREWTON, Steven Ray; TX
 BROWN, David James; NM
 BRUCE, Leslie A.; MO
 BURCH, Rodger G.; TX
 BURGER, Charles W.; GA
 CARTER, Glenn B.; NM
 CASE, Marvin L.; WA
 CATANO, Pomposo J; NM
 CHAPEK, James; NM
 CHAVIRA, Hector Vasquez; NM
 CORN, Harold E.; NM
 CORNETT, Frank N.; TN
 CORPENING, Nora Ruiz; NM
 COX, John W.; AZ
 CROWLEY, Ernest R.; NM
 CUNNINGHAM, Robert M.; NM
 D'ABADIE, Alan; NM
 DAVIS, George Patrick; OK
 DICK, Thomas E.; NM
 DIETZMAN, William Bruce; TX
 DODD, Daniel A.; CA
 DOLIN, Patrick Alexander; NM
 DONATI, Robert G.; AZ
 DUBBIN, Marvin Henry; NM
 DUFFIN, Sherwood M.; KS
 DUHIGG, David Leo; NM
 ELLARD, Kirk Oswald; NM
 ELLINGSON, Rodney L.; AL
 ESTES, Glenn H.; NJ
 ESTES, Renee Blanchett; NJ
 FAIRBANKS, David Alexander; TX
 FEGLEY, Ralph Adrian; TX
 FERNS, Lawrence J., Jr; NM
 FISH, Gary Arthur; NY
 FRANQUERO, Ronald Adolph; AZ
 FRITZ, Gerald B.; TX
 FRUSTER, Richard A.; TX
 GALLIVAN, James R.; CA
 GARCIA, Andrew B.; CA
 GARCIA, Delbert A.; NM
 GARCIA, Victor Ubaldo; TX
 GATES, James Robert; VA
 GEORGE, Dennis B.; TN
 GERMAIN, Stephen Paul; ID
 GILL, James F.; NM
 GURULE, David Andrew; NM
 HAGLE, Mark Andrew; NM
 HAGAN, Ross Ellis; AR
 HALL, Dennis; NM
 HANDS, James Andrew; NM
 HANSON, Grant Robert; UT
 HEIDENREICH, Gary L.; CA
 HEMINGWAY, Donald F.; NM
 HENDERSON, Loyd Douglas; NM
 HENRI, John Joseph; CA
 HILL, Gregory Nathan; AZ
 HINTZ, Thomas B.
 HITTLE, Carl Edward; TX
 HOGEBOOM, Patricia McGuirk; VA
 HORNE, Ronald Ray; TX
 HORNER, Gary L.; NM
 HORTON, Stanley Keith; AZ
 HOSKINS, William Walter, Jr; CO
 HUGHS, Sidney Edgar, III; NM
 JACQUES, Antonio M.; AZ
 KENNEDY, William Walter; WA
 KISSELL, James; TX
 KOPP, Donald William; TX
 LANG, Timothy Joel; OH
 LEHMAN, David Hugh; CA
 LEMONS, Patrick Ray; KS
 LITTLE, Robert M.; NM
 LITTLEJOHN, James Benton; NM
 LORANG, William Francis; AZ
 LUCERO, Ronald Ernest; NM
 LUNA, Charles Randolph; CO
 LUNA, Gilbert Abel; NM
 LUNSFORD, Wayne Oliver; NM
 LUTTON, Darrell Lowell; CO
 LYDICK, Robert Chadwick; NM
 MARSHALL, Richard Jo; NM
 MARTIN, Michael Anderson; CO
 MARTINEZ, Juan Arsenio; NM
 MAYO, Hugh Lewis; TX
 MC FARLAND, Bill Gary; NM
 MELTON, Huei Rodger; NM
 MENDOZA, Benjamin M.; NM
 MICHELL, Stephen Vincent; TX
 MIERA, Fernando R.; NM
 MILLIGAN, Roy Glenn; NM
 MOORE, Arthur Lee; CA
 MORAN, Ray O., Jr; MO
 NEWSTROM, Gordon B.; CA
 NORMAN, Howard Osmond; TX
 O'BERRY, Carl Gerald
 O'HARA, Dennis Michael; MD
 ORTEGA, Lawrence Andrew; NM
 OUTLAW, Arthur Trantham, Jr; FL
 PAPA, John Richard; CO
 PATTON, William Gordon, Jr; NM

PECA, Peter Samuel, Jr; TX
 PONTON, David Arthur; NM
 POWERS, Robert Stephen; CO
 PRICE, Terry Carol; TN
 RAINES, Martin Lloyd, Jr; AZ
 REITER, Joseph Stephen, Jr; AZ
 RICHARD, Osborne Donnie; MN
 RICHARDSON, Gary Lee; NM
 RILEY, Elmer William; CO
 ROGERS, Jerry Neil; SD
 ROGERS, Robert John; MA
 ROMAN, Amador M.; CA
 ROMERO, Larry Stephen; WY
 ROSENBLUM, Dennis Ben; NV
 ROWLAND, James William; CO
 RUSSELL, John David, Jr; NM
 SALAZAR, Luis; NM
 SEDILLO, Billy Aurelio; NM
 SHAW, Dennis Gordon; IN
 SHIELDS, Phillip Kinyon; AZ
 SINTON, John Thomas; TX
 SLOUGH, William; IA
 SMITH, Gary D.; TX
 STAPP, Stephen T.; CA
 STUBBS, Bruce Allen; NM
 TERRAZAS, Ernest; NM
 THOMAS, Fred Lee; VA
 THOMPSON, William Wayne; IL
 THORNBERY, Harold Louis, Jr; CA
 TIDRICK, Darl Wayne; NM
 TROWSE, Michael John; AL
 TRUJILLO, David Arthur; NM
 TRUJILLO, Harold J.; NM
 TRUJILLO, Leonardo T.; NM
 TUCKER, Leroy Wilbur; CA
 TURBETT, Peter Lodge; TX
 VIGIL, Alexander Clyde; NM
 VYAS, Dineshchan Rasiklal; OH
 WAGONER, Oscar Leon; OK
 WALL, William Dean; NM
 WALLING, Donald Craig; NM
 WECKWORTH, Clyde L.; AZ
 WHITNEY, Geoffrey Patrick; CO
 WILLIAMS, Gary Lee; IA
 WILLIAMS, Richard Alfred; TX
 WITTER, Robert Edward; NM
 WOLF, David William; NM
 WORTHINGTON, Greg Dickens; TX
 WRIGHT, Stanley John; NM
 WYGANT, William Clayton; NM

1973

ALBERSON, Edwin J.; NM
 ALLEN, Robert Lee; CA
 ANDES, James William; NM
 ARMENTA, Edward; TX
 ARNOLD, Rockland Allen; CA
 ARROTT, Mark Farr; LA
 ARVIZU, Dan Eliah; NM
 ASIFUDDIN, Mohammed; CA
 ATKINS, Barrett Ray; TX
 ATKINS, Thomas G.; TX
 BACASTOW, Jack Leroy; NM
 BACUE, Ralph Henry; OH
 BAILEY, Donald John; NM
 BAKER, Randy Scott; CA
 BALL, Kenneth Leslie; AZ
 BALL, Thomas Wayne; CA
 BARNEY, William G.; WA
 BEAN, James Robert; CA
 BEGGANE, Helen Marie; TX
 BEVANS, Peter Charles; UT
 BHATTI, Ajit P.; AZ
 BIXBY, Bruce Lee; NM
 BOBOIGE, Donald Richard; PA
 BOGDANOWICZ, Frank T.; IA
 BOONE, John Lundy; NM
 BRADLEY, Frank Elmary; WY
 BRAKE, William Arthur; TX
 BRITTON, James Clark; PA
 BROCAW, Richard Lee; CO
 BROWN, Terry Owen; NM
 BROWN, Willis Hickman, III; TX
 BUECK, Jerry Carroll; NM
 BUESCHEL, Richard Frederick; WA
 BURSTEIN, David; GA
 BUSH, Bruce Ashby; OK
 BUTLER, Thomas Irvin; TX
 CADENA-CEPEDA, Fernando
 CASTANEDA, Daniel; NM
 CHANDLER, David Mack; TX
 CHAVEZ, Joe Phillip; NM
 COLBERT, Gilbert L.; LA
 COMPARY, Rockne Jonathan; TX
 COOPER, David Lee; CO
 COPELAND, Jerry Lavon; VA
 CRANDALL, John Martin; CO
 DART, Robert Henry; CO
 DAVIDSON, Rich Frank; NM
 DAVIES, John Charles, Jr; TX
 DAVIS, John Edward; AZ
 DE LILLA, Edward Anthony; WY
 DESAI, Bharat M.; CT
 DITTMAR, Michael Louis; TX
 DOLLY, Richard Eugene; CA
 DORN, Ronald Eugene; GA
 DRISCOLL, Kevin Barrie; NM
 EASTERLING, Charles M.; NM
 ECHOLS, Robert Armpstead; NM
 EDWARDS, Jerald Allen; AL
 EGGLESTON, Frank Michael; AZ
 ESCOBAR, Louis Chavez; TX

FICUCIELLO, Anthony M.; NY
 FORT, Patrick A.; NM
 FRENCH, Dennis Michael; NM
 FULKERSON, Benjamin Rayford, Jr; NM
 GAINES, Ronald Eugene; NM
 GALLIVAN, Victor Lee, Jr; IN
 GANGER, Stephen Ray; IN
 GARCIA, Gabriel S.; NM
 GARCIA, James A.; CO
 GARCIA, Thomas Alfred; NM
 GAULTNEY, Jake R.; NM
 GENTZLER, Robert T.; NM
 GILLIAM, Wendell Lee; NM
 GILLOGLY, Brian Francis; TX
 GOLDBERG, Clay; NM
 GOMEZ, George Ernest; NM
 GONZALES, Andrew; NM
 GOOLSBY, Billy Joe; NM
 GOULD, Jeffrey Alan; CO
 GRAY, John David; NM
 GRAY, Linden Ray; CA
 GRIEGO, Stanley Anthony; NM
 GRIFFIN, Leland J.M.; NM
 GROSVENOR, David Lee; CA
 HACKENBERRY, Stephen Allen; CO
 HALVERSON, Colin Shelby; AL
 HAND, Alvin Lee; TX
 HANOYANO, John Oitoichi K., Jr; TX
 HARELSON, William Monroe, Jr; NM
 HARRIS, Mark Wayne; MN
 HEGEL, Scott Douglas; TX
 HENDERSON, Bob Ray; AZ
 HERNANDEZ, Edmond Omar; TX
 HEWETT, Kenneth M.; NM
 HILL, James Joseph; MD
 HINNERS, Richard F.; VT
 HOKANSON, Lawrence Dale; FL
 HOLDEN, Gordon Glenn; NM
 HOLGUIN, Ramon Gonzalo; NM
 HOSKINS, Earl Clifford; NM
 HOWELL, Raymond Esco; TX
 HSIEH, James Sie-Gen; PA
 HUFF, Richard Earl; AK
 HUGHS, Patricia Riddle; NM
 JAMES, Michael Ray; TX
 JAQUESS, John Darrell; NM
 JARAMILLO, Fred P.; NM
 JENKINS, Woodie R., Jr; NM
 JERGENS, Colvin Edward; ID
 JONES, Richard Puckett; NM
 KEITH, Raymond Eugene; CO
 KERN, Larry Sherman; NM
 KESSINGER, William W; TX
 KIDWELL, Donald Gene; AR
 KILCREASE, James Perry; NM
 KIRKLAND, David Norman; NM
 KNIPPRATH, George Cornelius; CA
 KOTOVSKY, Stanley Kenneth, Jr; NM
 KROENING, Frank Henry; NM
 LAKEY, Angus Eugene; TN
 LAWSHE, James S., III; AZ
 LEGG, Thomas Harold; TX
 LEMONS, Douglas Howard; OK
 LESKO, William Edward; MD
 LEZA, Richard L; CA
 LIVINGSTON, Eric Edgar; VA
 LOCKWOOD, James Douglas; GA
 LOPEZ, Alonzo Alvarado; NM
 LOWELL, James Russell; NM
 LOYA, Israel; TX
 LUSK, Daniel Garrett; NM
 MAESTAS, Joseph Robert; NM
 MAGEE, William Joseph; NM
 MAGRUDER, Byron Eli; TX
 MARKS, Laurence Victor; NC
 MATHIS, James Franklin; NM
 MC AFEI, Johnny Lou; TX
 MC CORKLE, Clyde Lee; VA
 MC DONALD, William Mark; VA
 MC FARLAND, Richard Alan; CA
 MC KINLEY, Robert Albert; NM
 MC KINNEY, Roy Franklin; NM
 MEEK, Ronald Wayne; AZ
 MEIER, John Richard; NM
 MITCHELL, Wilson Earle; NY
 MOATS, Dan Stuart; NM
 MOLES, Allen Dawson; CO
 MORAN, Mark Bryan; TX
 MORRATO, Francis Joseph; NM
 MORRISON, William Alfred; KS
 MOTICHKO, Michael C.; OK
 MOYA, James Valenzuela; NM
 NANAVATY, Rajesh Virendrakumar
 NAVA, Edward John; NM
 NELSON, Kenneth Alton; OK
 NELSON, Lawrence M., Jr; NV
 NEVAREZ, Steven Louis; NM
 NICHOLSON, Howard Charles; OH
 NOREEN, Darryl Lee; NY
 O'DELL, Gaylon Kent; TX
 OSTENDORP, Alan Robert; FL
 OWEN, Robert Lawson; TX
 PARKER, Arthur Lester, Jr; LA
 PARKER, Larry Eldon; NM
 PARR, Lloyd Ray, Jr; OH
 PARRIOTT, Ronald Dean; CA
 PATHAK, Hareshkuma Vasudev; IL
 PENZIG, Udo Kurt; KS
 PULLEY, David Michael; IL
 QUICK, Joel Haywood; NM

RADCLIFFE, William Eugene, Jr; MD
 RAGSDALE, Ralph Hairston; NM
 RALL, Kenneth Niles; TX
 RANCHER, Charles Wayne; NM
 RANSON, Vernon Alden; TX
 RAYMOND, Leonard; NM
 REED, Roger Clair; NM
 REGRUTTO, Ray Mitchell; NM
 REITER, William A. (Bill); CO
 RESTAINO, Joseph Michael; NJ
 REVELL, William Ross; NY
 REYNOLDS, Oris Edward; NM
 ROSE, Donald Thomas; OR
 ROSE, Edward Lawrence; OH
 ROSELLE, Charles Perry; NJ
 ROYBAL, David Ronald; NJ
 SALGADO, Arthur Trujillo; NM
 SANCHEZ, Jesse; NM
 SANCHEZ, Leroy D.; NM
 SAVAGE, Michael F.; AL
 SCHMIDT, David; NM
 SCOTT, Charles Edward; TX
 SHELLEY, Christophe Hayner; NM
 SHINKLE, John Michael; AZ
 SHULTZ, Jerry Keith; CA
 SHUSTER, Carl P., Jr; MO
 SIDERS, Mark Lewis; MD
 SIEPEL, Ronald Gene; AZ
 SIERRA, Stanley, III; AZ
 SILVA, James Walter; CO
 SIMPSON, Francis Brown; NM
 SMITH, Galen Joe; NM
 SMITH, Harlo Hahn; AZ
 SMITH, Stephen Wade; CO
 SNELL, William Louis; CT
 SPEER, Raymond K; NM
 STEPHENS, Douglas C.; NM
 STRANBERG, Edwin William; CA
 STRICKLAND, Robert Harvey; GA
 STROUD, John Edwin; NM
 SWEENEY, James Patrick; AK
 THOMAS, James Lon; NM
 THOMAS, Jimmy Van; TX
 THOMPSON, Richard Roy; AZ
 TROUSDALE, Edward; TX
 UNDERDOWN, Richard Charles; NH
 UTTERBACK, James Stanley; TX
 VAN BUECKEN, John David; WI
 VANN, James Enos; NM
 VIGIL, Joseph Orlando; NM
 WADSWORTH, Jesse; CA
 WAGNER, James Albert; NM
 WALLER, Lonnie Verdale, Jr; WY
 WALTERSCHEID, William James; NM
 WEBB, Don W.; NM
 WEBB, Douglas Grant; LA
 WELSCH, Robert Dennis; TX
 WELTY, Kenneth Wayne; NM
 WHEELER, Robert Laurence; NM
 WHITE, Richard Allen; GA
 WILLIS, Frank Allen; NM
 WISE, David Lynn; TX
 WOYTEK, Arthur H.; TX
 YARYAN, Terry Lee; CA
 YTUARTE, Edward; NM
 ZOLNA, Geoffrey Walter; PA
 ZUNIGA, Albino Orona; NM

1974

ALBA, Luis Xavier; NM
 ALI, Mir Ibrahim; CA
 ALTUNA, Sidney Louis; AZ
 ANDERSON, Charles Brock; AZ
 ANDERSON, Jerry Lynn; NM
 ARCHULETA, Doran Anthony; NM
 ARRIOLA-ACOSTA, Cesar
 ATENCIO, Juan Pablo; NM
 ATWATER, David Frank; NM
 BAEZA, Johnnie Urenda; TX
 BALIZAN, Ernest; NM
 BARRAZA, David Perez; NM
 BARRERA, Robert M.; AZ
 BARTON, Larry Earl; WY
 BAUERSFELD, William Robert; PA
 BAUM, Karl Bradley; CA
 BEALL, Thomas Malcolm; TX
 BENTING, Allan Paul; NM
 BIRZER, Cletus Joseph; TX
 BOCOCK, Johnny Lynn; NM
 BOTRAN, Jaime
 BRADFORD, Jeffery Joseph; CA
 BUDDENHAGEN, Charles Michael; NJ
 CANDY, William Robert, II; GA
 CARNES, Charles Keith; CA
 CATANACH, Joseph Anthony; NM
 CHAVEZ, Phillip; TX
 CLARK, Joseph Dale; MO
 CLEVELAND, James Walter; SC
 COLLINS, Stephen Louis; TX
 COOR, Jerry Eugene; TX
 COPELAND, David Matthew; KS
 CORPENING, Louis John; NM
 COY, Charles Irving; NM
 CRAWFORD, Michael Loyd; VA
 CURRY, David Bruce; OK
 CYNOVA, Larry Ernest; NM
 CYNOVA, Timothy Frank; NM
 DAVIS, Rodney Douglas; NM
 DEASON, Paul Allen; NM
 DEFIELD, James Michael; NM
 DEWLEN, Gerald Edwin; CO

DHINGRA, Rakesh Kumar
 DIAZ, David, Jr; NM
 DOUGLAS, David Eldon, Jr; TX
 DROWN, Richard E. CA
 DUGAN, John Charles; TX
 EBY, Thomas Leland; CA
 EGGLESTON, James Henry, Jr; NM
 EMERSON, Asher Daniel; AZ
 EMMETT, Gary Lee; AZ
 ENGLE, Lawrence Eugene; TX
 ENOCH, Joe Gary; NM
 FEEMAN, John Robert; CA
 FINNEY, Larry Wayne; OK
 FJELD, Gary Jerome; WI
 FORSLUND, John Harvey; OK
 GABBARD, James Lewis; AK
 GALLAGHER, Sidney Gary; NM
 GALLEGOS, Albert Leon; OK
 GELWIX, Kenneth Lee; TX
 GIBSON, Marvin Lee; NM
 GILLESPIE, Edward George, Jr; TX
 GILMORE, Edward Terrence; NM
 GLEGHORN, Ronald Ray; TX
 GOEBEL, Lucky Arlan; TX
 GOERTZ, Grandon Lamont; NM
 GOSS, Charles Rapp; NJ
 GUTIERREZ, Jay Cary; NM
 GUTIERREZ, Jose; SC
 HAGAN, Lewis Edward; TX
 HALEY, Coralle Sanders; TX
 HALL, Scott Acton; WA
 HANDS, Jerome Alfred; NM
 HEMMING, Willard F.; NM
 HERBERT, John Patrick; TX
 HOLLOWAY, Chalmer O., III; NM
 HOPPER, Martin Patrick, Jr; CO
 IRELAND, John Richard; NM
 JACQUEZ, Antonio Medina; NM
 JACQUEZ, Ricardo B.; NM
 JAEGER, Gene Arnold; CA
 JANER, Freddie; NM
 JEFFERS, Edward Andrew; NM
 JENKINS, Vinod Alan; WA
 JENVEJA, Vinod; NJ
 JIMENEZ, Raymond; NM
 JOHNSON, Gary H.; NM
 JONES, Daniel Conrad; KY
 KIMBER, Clarence Edward, Jr; IL
 KOELT, Martin Henry; CA
 KOELTZOW, Lonnie R.; GA
 LANGHAM, Randall Doyle; CA
 LANKFORD, Howard Lewis; OR
 LEWIS, Andrew Francis; NM
 LOCKYEAR, Robert Gordon; NM
 LONEY, Michael Anthony; TX
 LONG, Gary Arthur; NH
 LOWERY, Fred B.; NM
 LOWRY, Robert Elton; NM
 MADDALENI, Jeffrey John; NM
 MALCOLM, Timothy W.; TX
 MASON, Daniel Harris; NJ
 MATHIS, Stephen Gerald; OK
 MATLOCK, John Wesley; OK
 MAYNE, Michael Dale; NM
 MC CLANAHAN, Donald Keith; NM
 MC CORMICK, Jacqueline Burt; NM
 MC GINNIS, Paul Edwin; NM
 MC GOUGH, Phillip Wayne; TX
 MC ILVAIN, Thomas L.; TX
 MC MASTER, Roy Dean; TX
 MC RAE, Robert De Bruce; NM
 MEALER, Michael George; CO
 METCALF, Bradley Gene; AZ
 MILLS, Phillip Ray; AZ
 MITCHELL, Oakley Joe; NM
 MOCHUO, Robert Lee; NV
 MURPHY, John Patrick; AZ
 NARDELLA, Michael; AL
 NILCHIE, Warren, Jr; NM
 O'CONNOR, Jimmie Edward; NM
 PALM, George Eric; LA
 PARRA, Steve Ailes; NM
 PATTERSON, Jerry John; NM
 PATTON, Phillip Randolph; NM
 PAVLETICH, Louis Martin; TX
 PAYNE, John Robert; AL
 PEEL, James Earl; DE
 PEREA, Jacob Anthony; NM
 PETERSON, Gary Steven; NM
 PINO, Isaac Jacob; NM
 POMPEO, Paul, III; NM
 POST, David Julian; NM
 POTTER, David Lee; CO
 PRENTICE, Stuart Adolf
 QUARNSTROM, Thomas Francis; TX
 RAJDEV, Hitesh Popatlal; OR
 RATJE, John Robert; AZ
 REMONDINI, Joseph Robert; OK
 REYES, Arnold Dennis; TX
 RICHARDSON, Alan Kirk; MO
 RICHARDSON, Dale Edward; NM
 RICHART, Craig D.; AZ
 RIDDLE, John Wayne; TX
 ROBBINS, Richard Jeff; NM
 RUDOLPH, Joe, Jr; NM
 SANCHEZ, Alfredo S.; NM
 SANDOVAL, John P.; NM
 SCHARFF, Patrick Kay; AZ
 SCHLEIDER, Michael Alan; CA
 SCHMIDT, Roger William; CA
 SCHULTZ, Walter Lawrence; NM
 SEEKER, Steven Allen; WI

SHACKELFORD, Elbert Leon; OK
 SHELTON, David Gordon; AZ
 SIDES, Larry Duane; VA
 SKEET, William; NM
 SMITH, Clinton Wade; TX
 SMITH, Dale William; TX
 SMITH, Lonnie Clarence; TX
 SMITH, Montgomery W.; MO
 SNOWE, Walter Ernest; TX
 SMYTH, Samuel Leman; NM
 SPRENGER, Bruce Ronald; IL
 STANFORTH, David Harry; OH
 SUAREZ, Raymond Joseph; NM
 SUTTON, Larry Wayne; NM
 TAYLOR, William; TX
 TELLEZ, Ramiro; NM
 TRUJILLO, Eduardo; NM
 TRUJILLO, Jerry Lee; NM
 TURNEY, Thomas Charles; NM
 UPCHURCH, David Earl; KS
 URQUIOLI, Douglas Michael; NJ
 VIRGIL, Eliud Frank; NM
 WALKER, Wesley Clarke; IA
 WATERS, James Braxton; NM
 WEAVER, Stanley Vance; VA
 WELKER, Anthony J.; TX
 WEST, Charles D., III; CO
 WHITED, Michael Earl; IA
 WHITEHEAD, Howard Eugene; VA
 WIDNER, Terry Keith; TX
 WOODWARD, Gregg Francis; ID
 WYANT, Thomas Robert; NM
 WYRICK, Milton Desmond; NM
 YARAVITZ, Jerry None; NY

1975

AKERS, Randy Lynn; NM
 ALEXANDER, Lark R. Roy; NM
 ALLRED, Robert Charles; NM
 ALLTHAUS, Bryan Louis; NM
 ALVARADO, Toribio Refugio; TX
 ANAYA, George Luis; NM
 ANDERSON, Roger Charles; NM
 ARAGON, Ezekiel Daniel, Jr; NM
 ARGUELLO, Eduardo Antonio; NM
 ARIAZ, Arthur David; NM
 AVANT, Ira Marshall; NM
 BAKER, Robert Jackson; TX
 BALLAJADIA, Andy Eustaquio
 BALL, David Michael; NM
 BARELA, Rudolf M.; NM
 BISHOP, David Warren; TX
 BLACK, James Paul; NM
 BLAINE, Claudia Joan; NM
 BOLACK, Duane Thomas; NM
 BONOMO, Paul Miller; CO
 BOOGAY, Marc Allen; CA
 BOYD, Harold James, Jr; MN
 BOYD, Thomas James, III; TX
 BROWN, Don Alan; NM
 BUSBY, Gary Lee; TX
 CAMACHO, Isaac; NM
 CHANDLER, Donald Wayne; TN
 COMBS, Charles Cecil; CA
 CORREA, Ernest Alden; NM
 COUCH, William Alan; NM
 COULTER, James C; TX
 COX, Morris Keith; NM
 CRAIG, Curtis Dean; LA
 CULLUMBER, John Steven; CA
 DAHLGREN, Steven Paul; TX
 DAY, Robert Dean; NC
 DEINLEIN, William Steven; TX
 DEITS, Richard Mayhew; CA
 DINTELMAN, Robert Lynn; UT
 DUFF, Bryan Felty; CO
 ELLETT, William Runyan; TX
 ESTRADA, Samuel Carlos; NM
 ETEZADI-AMOLI, Mehdi; NV
 FELIO, Larry Alan; TX
 FELSBERG, David F; MA
 FLOWERS, Philip Thomas; NM
 FOSTER, Arthur Mac; NM
 FOUNTAIN, Charles Wilson; NM
 FRANCIS, Tim Lloyd; UT
 FREEMAN, Gordon Gary; NM
 FRENCH, Alta Carylyn; IL
 GARCIA, Raymond M.; NM
 GARNER, Stephen Paul; LA
 GILLILAND, Larry Joe; CA
 GLASS, Robert Dwayne; TX
 GOSE, Grant Randall; NM
 GOSE, James Bruce, Jr; NM
 GREEN, James Thomas; TX
 GROTZKER, Richard E.; CO
 GUADARRAMA, Jose Luis; TX
 GUINN, Roger Wendell; CO
 GUSTAFSON, William F; OK
 HAGLER, Bobby Glen; CO
 HALE, Daniel Gilbert; NM
 HART, Lawrence Patrick, Jr; PA
 HENKE, Michael John; NM
 HEWITT, Jeffrey Allen; NM
 HIBBS, Gilbert Lewis; WA
 HILL, Daniel James; CA
 HOLBERT, Billie Charles; CA
 HOLDEN, Keith Alfred; TX
 HOLGUIN, Harry Aurelio; NM
 HOLLOWAY, Wesley Allen; NM
 HORNE, Jack Michael; NM
 HORNE, William Goddard; TX
 HUNT, Shelberde Calvin, Jr; NM
 IBARRA, Jose Guadalupe; CA
 JACQUEZ, Jose Antonio; KS
 JAMESON, Elmer Eugene, III; NM

JESSUP, Donald Eugene; NM
 JOHNSON, John Alvin; TX
 JOHNSON, Patricia Andrews; NM
 JONES, Richard Allen; NY
 KASSIS, Suhail Yacoub; CA
 LARA, Anthony Jessie; NM
 LISOWSKI, Ronald James; CO
 LO, Yuh Ming; NJ
 LOCKWOOD, Owen Glen; NM
 LORY, John Charles; CO
 LOYA, James Milton; NM
 LUCERO, Alejandro Conrad; NM
 LUCERO, Andrew Rudolph; MN
 LUCERO, Jerome Felix; CO
 LYONS, Jack Kingsley; MD
 MAEZ, Joseph Emery; NM
 MAGEE, James Elvin; CA
 MAGEE, Jerry Roger; NV
 MARTINEZ, Gerald David; NM
 MARTINEZ, Ronald David; MO
 MARTINEZ, Steven Michael; NM
 MAY, Jesse Ainsworth, III; NM
 MAYERS, Robert James; UT
 MC CLOSKEY, Steven Dale; AZ
 MC DANIELS, Roger William; FL
 MCGREGOR, Robert Michael; CA
 MC KINNEY, Britt Thomas; KS
 MC NAUGHTON, David Alexander;
 AK
 MCSHERRY, Michael J.
 MEINZER, Robert P., Jr; WA
 MELTON, James Frank; NM
 MENDIVE, David Lee; NV
 MEXAL, Mark Stephen; NM
 MILLER, Don M.; CO
 MILLS, Jon Pat; TX
 MIMS, Philip Lee; NM
 MOORE, Carl Roy; NM
 MORALES, Arthur R.; NM
 MORALES, Ray Harold; TX
 MORGAN, Walter Douglas
 MORTON, James Royce; CA
 NELSON, Steven Michael; OH
 OESCHGER, William Fred; NJ
 O'NIELL, Stephen Richard; NM
 PACKARD, Harvey Dean; NM
 PAGE, Steven Earle; TX
 PASS, John David; TX
 PERKINS, Gary Russell; AZ
 PERKINS, Gary Thomas; NM
 PETERS, Robert Lee; NM
 PETERSON, John Robert; CA
 PIERSON, Lyndon George; NM
 PILAND, Doyle Dean; NM
 PLUMMER, Roy Frank; NM
 POSEY, Ronald Mark; TX
 PRIEBE, Pryde Douglas; NM
 PROVENCIO, Gilbert; NM
 RAINWATER, Douglas Frank; AK
 RAMSEY, Gary Hill; LA
 RHODES, Stephen Curtis; WA
 RICHARDSON, Allan Knight; NM
 RITCHIE, William David; CA
 RODRIGUEZ, Larry Lucero; NM
 ROMERO, Santiago, Jr; NM
 ROYBAL, Richard Santos; NM
 ROYBAL, Robert B.; NM
 SAENZ, Raymond Lujan; NM
 SAIZ, Daniel Holguin; AZ
 SCHMIDT, Charles Henry, Jr; CO
 SENN, Samuel Jeffrey; NM
 SHANKS, James Dwane; VA
 SHANNON, Edmund Gaines, III;
 NM
 SIEPEL, Norman Dee; NM
 SILVA, Adalberto; NM
 SMITH, Eugene Carl; AZ
 SPEIR, Robert Emmett; NM
 STAMM, Craig Baldrige; NM
 STOCKTON, George Daniel; NM
 STUMPF, Ralph Grover; NM
 SWICKARD, William Eugene; NM
 TRAYWEEK, Richard W.; TX
 TRUJILLO, Frankie Arthur; NM
 VEGA, Guadalupe; NM
 WAD, Fred M., III; NM
 WALLACE, Robert Hutson; NM
 WALLER, Jack Thomas, Jr; CA
 WATSON, John Spencer; AZ
 WATTS, Craig Ellis; NM
 WEEMS, Douglas Michael; CA
 WELLS, Forrest Harmon; NM
 WHITE, Walter Wayne; NM
 YALKUT, Carl Richard; NM
 YANAGIDATE, Craig Daito; CA

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ACKER, Thomas William; AZ
 AHRENS, Brandon Ray; NM
 AHRENS, Janet Steele; NM
 ALEXANDER, Richard Bert; NM
 ALEXANDER, Steve Lorrel; CA
 ALLEN, Charles Paul; OR
 ARCHULETA, Adelmo Edward;
 NM
 AVALOS, George Vicente; NM
 AZAM, Mohammed M; MA
 BAILEY, Darrell Eugene; NM
 BALCAZAR, Patrick Joseph
 BARNES, Michael Lee; NM
 BEARDEMPHL, Scott L.; NM
 BLAIR, Michael John; NM
 BOCOVICH, Paul Jerome; CA
 BREESE, Kent William; NM
 BRONSON, John Paul; NM

BROWN, James Sterling; NM
 BROWN, Kenneth Dee; TX
 CAMBRIA, Edward Vincent; TX
 CAREY, Kenneth E.; TX
 CARRERAS, Richard Atencio; NM
 CHAPMAN, Lonnie Burns; NM
 CHAVEZ, Tomas Carlos; NM
 CLARK, Billie Earnest; CO
 COLEMAN, James Bruce; TX
 COLLINS, Brett R.; NM
 COMYFORD, Earl Charles; NM
 COPPER, John Joseph; TX
 COTE, Paul Joseph; NM
 COURTNEY, Michael Leo; NM
 COYLE, Kevin James; TX
 CRAGHEAD, James Douglas; AZ
 CREED, Thomas K; TX
 CRISS, John Robert; NM
 CRUTCHER, Charles Gaylen; UT
 CUNNINGHAM, Dale J; CA
 DARMITZEL, William Bruce; AZ
 DAVALOS, Michael Melendez;
 NM
 DAVIS, Clifford Michael; CA
 DINKINS, Sandra Kay; GA
 DOZIER, Forrest John, Jr; NM
 DRENNAN, Brett Craig; NM
 DUNN, John Charles; NM
 EMERICK, Lewis Edgar, Jr; NM
 FELIPE, Dennis Henry; NM
 FERGUSON, Jim Bob
 FIFE, Timothy Thomas; NM
 FLORES, Eliseo Delgado; NM
 FLORES, Johnny Rafael; CA
 FORD, Glenn Mac; NM
 GALLEGOS, Lee Gustavo; NM
 GALLEGOS, Steve Michael; NM
 GAMBLE, Steve Alan; NM
 GARCIA, William Chavez; NM
 GAUME, Patrick Jay; TX
 GEBHARDT, David Alan; CO
 GERHARD, Michael Alan; CA
 GERHARD, Peter Thorp; CA
 GIL, Gilbert Richard; NM
 GILLIS, Richard Gerard; NM
 GISLER, Gary Lynwood; NM
 GLENN, Paul Douglas; TX
 GOODYEAR, Robert Earl; LA
 GRAMMIER, Joseph Edward, III;
 CO
 GRANT, Miles Ray; AZ
 GRUBAUGH, Elston Kent; NM
 GUINN, Steven Dwayne; IL
 HAHN, Mark Allen; TX
 HARDER, Steven Henry; TX
 HARRIS, James Lowell; TX
 HARRIS, Robert David; NM
 HARRIS, William David; TX
 HAYENER, Carroll Patrick; WY
 HAYES, Doyle Gordon, Jr; TX
 HAYS, John Daniel
 HEINE, Stacey Jay; KS
 HERRANDEZ, Frank Soto; TX
 HERRERA, George Anthony; NM
 HICKS, Jerry Ellis; CO
 HILL, Carlton Ray; WA
 HILLARD, Jerry Dee; NM
 HINDERER, Joe Edward; CA
 HIRTH, William Bryce; TX
 HOGGATT, Jimmie Ray; CA
 HOLLAND, James Everett; CA
 HORN, Clifford R.; NM
 IRWIN, Michael James; NM
 JOHNSON, John Randall; NM
 JOHNSON, Maurice Allen; CO
 JOHNSTON, Jere David; LA
 KELLER, Michael Reid; NM
 KINGSLEY, William Harry; NM
 KISER, Keith Edward; TX
 KOHLRUST, Raymond Scott; CA
 KORD, Robert Leslie; NM
 KUESTER, Paul Anthony; NM
 LANFAIR, James Harold; NM
 LARA, Joe Gonzales; NM
 LAWSHE, Barret Charles; CO
 LOFTIS, Jimmy Lee; TX
 LOPEZ, Armando Alvarado; NM
 LOVUOLA, James John, Jr; PA
 LUKENS, Laurance Lee; NM
 LUNA, Donald Clinton; NM
 MADRID, Robert Ray; CO
 MADSON, Robert Steven; PA
 MAESTAS, Lionel Roy; NM
 MARTINEZ, David Richard; NH
 MARTINEZ, Ronald Felix; AZ
 MATTHEWS, Larry K.; NM
 MC CLENAHAN, Robert Louis, Jr;
 NM
 MC DONLEY, P. Alan; CO
 MEDRANO, Carlos Sanchez; NM
 MEYER, Stephen Lamar; TX
 MEYER, Vincent Andrew; NM
 MITCHELL, Ralph Howell; CO
 MITCHELL, Robert Earl; NM
 MOOLICK, Richard Terrence; CO
 MURPHY, Richard Tigner; NM
 NOLTENSMAYER, Terry (Skip);
 OK
 O'DONNELL, Steven John; TX
 ONTIVEROS, Rosendo Villa; KS
 PADILLA, Orlando Trujillo; MI
 PARKINSON, David Rudd; NH
 PEACE, Jeffrey Howard; TX
 PROVENCIO, Jose Francisco; NM
 RAMIREZ, Mario C.; NM
 RAMZY, Carl Preston; CO
 REYNOLDS, Joseph William; TX
 RODRIGUEZ, George A.; CA

ROE, Thomas Martin; NM
 ROMERO, Martin Orlando; WI
 ROSSER, James Roy; CA
 RUSSELL, Charles Wayne; NM
 RYALL, Peter Newton; OH
 SANCHEZ, Larry; NM
 SAUVE, Allen Newton; TX
 SAUVE, Gerald Le Roy; NM
 SCAGLIONE, Paul R.; CA
 SCHEEL, Helmut William; MD
 SHOEMAKER, Thomas Eugene;
 NM
 SIMS, William Brett; TX
 SIZEMORE, Jimmie Lee; AZ
 SOJKA, Brian Zygmund; CA
 SPEARS, Jack Donaldwad; NM
 SPRAGUE, Ron Alan; NJ
 STEPLETON, John Michael; CT
 STRICKLER, Gary William
 SUDCHOOKAIT, Panumat
 TAGERT, Ronald Ray; TX
 THOMPSON, Gary Neil; NM
 TOMITA, Steven Philip; NM
 TRICE, Steve Roland; TX
 TRUJILLO, Lee Duran; NM
 TRUJILLO, Paul Edward; NM
 UMARI, Sulayman Mohammad
 VELARDE, Dwight Dean; NM
 WALKER, Donald Francis; NM
 WALKER, Michael Ray; NY
 WEEMS, Mark Edward; CO
 WESTRICK, Francis Andrew; NM
 WHITAKER, Mark Allen; NM
 WIDNER, Ronald Dean; CA
 WILKERSON, Paul Ronald; TX
 WOOD, Leo Terrell; TX
 WRIGHT, Robert Thomas; TX
 YBARRA, Jose Tellez; NM

1977

AKIN, Gerry Alton; CA
 ALVARADO, Jose Luis; CA
 ANGEL, Alfred Bernal; NM
 ARAGON, Frank Garcia; NM
 ARMER, Thomas Alex; CT
 ARREOLA, Jose Rivera; CA
 ASGARIAN, Houshmand; CO
 AVILA, Dennis Louis; AZ
 BAKER, John Allan; NM
 BECKETT, Archie Roy, Jr; TX
 BIGELOW, Richard Lee; NM
 BOWER, Bruce Edward; NM
 BOYES, John Dana; NM
 BRASHEAR, Kenneth Floyd; NM
 BROWNING, Phillip Lee; TX
 BUSSE, William Michael; CO
 BUSTAMANTE, Louis Andrew; CO
 BYRD-HUMPHREYS, Kathryn; NM
 CAMBRIA, Joseph Anthony; NY
 CANNON, Wayne Clayton; CA
 CARLSON, Thomas Frederick; NM
 CARR, John Edward; NM
 CHAVEZ, Frank Anthony; NM
 COLLETTE, David Francis; NM
 CONFER, Larry F.; TX
 CORTEZ, Reynaldo Anthony; WY
 COVEY, James Rager; NM
 CRESS, Joshua Robert; MN
 DAANE, Peter William; UT
 DAWSON, James Curtis; NM
 DAY, Michael Patrick; OH
 DEES, Robert Neal; CT
 DOMINGUEZ, Louis Rodrick; NM
 DUNAGAN, Glenn Richard; NM
 DUREL, Jules Caplace; TX
 EDWARDS, James Elmore, Jr; NM
 EVANS, Jesse Dee; NM
 FARRIS, Dan Ray
 FENWICK, Danny Lee; OH
 FOWLER, Robert Charles; TX
 FOWLER, Steven Frank; NM
 FULTON, John Scott; TX
 GABALDON, James Robert; TX
 GANTICK, Timothy Stanley; TX
 GATES, James Rex; TX
 GATTIS, Terry Allan; KS
 GELDER, Michael James; NM
 GEORGE, Richard Douglas; CO
 GLAZEBROOK, Florence Booker;
 CA
 GONZALEZ, Xavier Hector; AZ
 GONZALEZ-VILLARR, Carlos
 Enrique
 GRAY, David Lee; TX
 GREEN, Roy Don; TX
 GREGORY, George J.; NM
 GREGORY, John Thomas; NM
 GRIER, Steven James; AZ
 GRUBEL, Paul Lambert; NM
 GUTIERREZ, Darryl James; NM
 GUTIERREZ, Jose Luis Renteria;
 NM
 HAMILTON, William Scott; WY
 HANNA, William Edward, Jr; AZ
 HANSON, Steven Woodrow; NM
 HARMON, Christopher Robert; OK
 HARPER, Robert William; CO
 HARRIS, Douglas Robin; MT
 HARSH, Rhett Matthew; NM
 HASTINGS, Larry Wayne; NM
 HEICK, Phillip Rodney; TX
 HERRING, Gregory Scott; CO
 HICKEY, Leslie Myron; AR
 HILL, Robert David; TX
 HINES, Hillard Michael; TX

HITE, Gene Pascal; NM
 HORAK, Henry Louis; NM
 HUNTER, Roy Ellis; TX
 ISHAM, Tommy Lynn; AZ
 JACKSON, Reginald (Randy); NM
 JOHNSON, James Albert; NM
 JOHNSON, Paul Newlin; NM
 JOURDAN, Charles Samuel; FL
 KELLER, John Robert; CO
 KILIKAS, Panagiotis Errikos; AZ
 KING, Charles Christophe; NM
 KITCHELL, Joseph W., Jr; VA
 LANCASTER, Jay Gordon; MD
 LEINER, Roger Edward; IL
 LEMONS, Wallace Lee; CA
 LONG, Glen Andrew; NM
 LUJAN, Ruben Acosta; AZ
 MAGNUSON, Molly Louise; NM
 MARRUJO, Ruben Carlos; NM
 MARTIN, Paul Francis; NM
 MC CULLOCH, Allen Wilson; NM
 MC KINLEY, Mark William; NM
 MC QUEEN, William Roger; IL
 MONTOYA, Ted Michael; CO
 MORALES, Danny; NM
 MORAN, Anna Maria; NM
 MORGAN, David Earl; TX
 MORROW, Danny Ross; NM
 MORTON, John Steven; NY
 NEWSOM, Terry Wilson; NM
 NICHOLSON, Michael Edward; AZ
 OBENHAUS, Randall Wayne; NM
 PADILLA, Edward, Jr; NM
 PARK, Edward David; NM
 PAUL, Roger Alan; NM
 PERNA, Steven C.; MO
 PETERSON, John Lambert; TX
 PETERSON, Kim Alan; NM
 PHAM, Hung Quy; CA
 POLING, Lynne Wilson; WA
 POLING, Wayne Edward; WA
 RACHELE, Henry; NM
 RAGSDALE, Luther Paul; NM
 RASMUSSEN, Juergen Hans Erik;
 WA
 RENNE, Bruce Jay; AZ
 RENO, Jerry Ray; OK
 REYNELL, Michael Duane; NM
 REYNOLDS, Gregory Alan; NM
 ROBINSOAN, James Allen; CA
 ROMAN, Ramon Lorenzo; CA
 ROWLEY, George Wallace; NM
 RULLI, Vernon George; WY
 SALAS, Arthur Roman; TX
 SAMMON, Donald Hugh; NM
 SAULSBERRY, Regor Lee; NM
 SCHUMACKER, Aileen; FL
 SEGURA, Rodolfo; NM
 SEVACHKO, Mark Daniel; NM
 SHAW, Randall Craig; TX
 SIERRA, Adolfo; NM
 SIMS, James Rae, Jr; NM
 SLOMAN, John Allen; NM
 SMITH, Anthony Younger; TX
 SMITH, Douglas Duane; CA
 STAEBLIN, David Charles; WA
 STEGALL, Ronald Perry; TX
 STELL, Dennis Albert; OK
 STONE, Glenn Edward, Jr; CO
 STULTING, Rex Loyd; AZ
 SULAIMON, Busar Laiwola
 TENNEY, Lance John; NM
 TERAN, Francisco
 THIELE, Kathleen Beggane; CO
 THOMAS, Samuel Ray; MS
 THOMPSON, Paul Curtis; NM
 TOWNSEND, Henry; NM
 TRUJILLO, Frankie Edward; TX
 VALDEZ, Rudy Johnny; NM
 VALLASTER, William Brown; OK
 VILELA, Jose A; CT
 VREEKE, William Leonard; NM
 WAGNER, George Harold, Jr; PA
 WALHOOD, Gordon Arien, Jr; NM
 WALLING, Charles W. H.; AZ
 WELLING, Stanley Roy, Jr; WA
 WIDNER, Kenneth Paul; TX
 WILLIAMS, Douglas Wayne; TX
 WILSON, Andy Tharel; AZ
 WILTON, Michael Lee; NM
 WINFIELD, Robert Arthur; FL
 WISDOM, Michael Lee; TX
 WISHMEYER, Edward Eugene; CA
 WISNER, Joel David; AZ
 YATES, John Ashby, Jr; NM
 YAZIGI, Wafa Esber; WA
 ZIEGENFUSS, Joseph Anthony;
 NM

1978

AIKENS, Roland Gordon; NH
 ANDERSON, Ronald David; NM
 ARAGON, Joseph Conrad; NM
 ARMUJO, Dennis Fred; NM
 ARNOLD, Roby Lynn; NM
 ASHCRAFT, Phillip Lynn; AZ
 BACA, Ted Milton; NM
 BALCH, William James; NM
 BALES, Gary Orville; NM
 BARDWELL, Karen Melick; NM
 BARR, James Edward; NM
 BARRY, Michelle Arylene; CO
 BENDER, Craig Laurence; AR
 BENNETT, Charles Albert; NM
 BINGHAM, Keith David; TX

BLAINE, Charles Thomas; NM
 BLEVINS, Bruce Allyn; NM
 BLUM, Richard Ray; FL
 BRIONES, Juanito Arnulfo; NM
 BUCKNER, Bill W.; NM
 BURSON, James Claude; AZ
 CANDELARIA, Anthony Ray; AZ
 CARRASCO, Joseph Mendez; NM
 CARVER, George Leroy; NM
 CHATTERTON, William; TX
 CLEVINGER, Michael Joseph; NM
 CLINE, Paul Richard; NM
 COLE, James Robert; NM
 COLLIER, John Edward, Jr; OH
 CORRIEVEAU, John Paul; NM
 CORTNEY, Daniel Dennis; AZ
 CRABB, David Hans; AZ
 CRUME, Barry Elwyn; CA
 CRYSTAL, Jonathan Abram; TX
 CUMMINGS, William Totten; NM
 DAILEY, Randy Lynn; TX
 DALRYMPLE, John L.; CA
 DAVIS, Dewey Leon; NM
 DAWES, Robert Allen; CA
 DAY, Patty Ann Clanton; NC
 DELGADO, Ricardo Benvenuto;
 CO
 DENMAN, Richard Craig; NM
 DOUGLAS, James Lowell; NM
 DURAND, Frances Kaszeta; NM
 EASON, Steven Glen; KS
 EDWARDS, Ian Marshall; NM
 ELLIOTT, Ray Herbert; NM
 ERB, Mark Douglas; TX
 EVANS, Lee; NM
 FALDE, Leon Andrew; MO
 FESMIRE, Mark Edwin; TX
 FRANCHINI, John Merle; NM
 FRY, Scott Milton; AZ
 GABBARD, Vernon, Jr; NM
 GARCIA, Felix Molina; CA
 GARCIA, Michael Raymond; NM
 GARCIA, Vicente Chavez, Jr; NY
 GIBBS, Jeff Robert; TX
 GIESEY, Philip Matthew; TX
 GONZALES, Mike John; TX
 GORHAM, Richard Gale, Jr; NM
 GRAHAM, Scot Mason; CO
 GREEN, Theodore Forrest; NM
 GROOMS, Donald Dean; NM
 GUNDERSON, Eric Paul; NM
 HALL, William Robert; UT
 HANMERS, Edward Martin; TX
 HANKAMER, Michael; TX
 HAYS, Richard Allan; NM
 HEAD, James Albert; NM
 HENDRICKS, Gary Robert; NM
 HESS, Cory Dexter; TX
 HILL, Janet Josephine; CA
 HOLSTEIN, Jeffery Lowell; TX
 HUTCHINSON, Paul Alan; NM
 INGHAM, Frank H.; WY
 JEFFERS, Patrick David; AZ
 JENTGEN, Lawrence Albert; FL
 JOHNSON, Lorraine Landers
 KELLY, Clark Thomas; MO
 KHALILNAPJ, Napoleon; CA
 KIDD, William Wayne; CA
 KLEIN, Thomas Henry; NM
 KNAPP, Ronald Kevin; WY
 KOVACICH, Ronald Noel; TX
 KREBS, Richard Engler; CA
 KRULL, Daniel Guy; WI
 LARA, Rosario Maria; TX
 LEE, Jon Dee; AL
 LOPEZ, John Gilbert; CA
 LOPEZ, Larry Gordon; NM
 LOPEZ, Steven Abraham; TX
 LOPEZ, Ysidro Perea; NM
 MADDALENI, Glen Lee; OR
 MAESE, Martin Mario; NM
 MAESTAS, Ernest Theodore; TX
 MAESTAS, Daniel David; CO
 MARRASCO, Robert Ismael; NM
 MARTINEZ, Benny J.; NM
 MARTINEZ, Daniel Adam; NM
 MARTINEZ, Roger Edward, III; GA
 MC GRAW, Gordon Russell; TX
 MC KELVIE, Stephen Douglas; CO
 MC WILLIAMS, Jeff Lynn; TX
 MEDINA, Daniel Roger; NM
 MERINO, John Lloyd; NM
 WISNER, David Eugene; TX
 MILLER, Mark Alan; CO
 MILLER, Robert Sumner; MN
 MILLER, William Charles; NV
 MOFFATT, John Elliott; CO
 MOLINA, Larque Anaya; NM
 MORRISON, Gary Robert; CO
 MOYA, Ronald Wayne; NM
 MURPHY, James Dean; NM
 MURPHY, Michael Joe; UT
 MYERS, David Wayne; CA
 ORTEGO, Lee Hossley; NM
 ORTEGA, Joseph Michael; NM
 OWENS, Julie Govan; WY
 PACHECO, Stephanie Denise; NM
 PARKER, Gary Lloyde; AZ
 PATTISON, William Warren, Jr; FL
 PAULK, Richard Henry; NM
 PERVERE, Michael John; CA
 PETERSON, Eldon Edward; OH
 PHILLIPS, Leonard William, Jr; CT
 POWELL, Ernest Alfred; TX
 PRICE, Delton Wayne; NM
 QURAIISHI, Mashallah Myz; NM
 RAHEEM, Mohammed Abdur; TX

RANADE, Satishkuma Jagannath; FL
 RAY, Jeffrey Mitchell; TX
 RAY, Mark Alan; OK
 READ, David Wayne; AZ
 REIN, Mitch Jay; NM
 REYNOLDS, Robert Grayson; NM
 RHODES, James Edwin; NM
 RONDEAU, Michael Paul; UT
 ROSS, Leonard Davis; NM
 ROYBAL, Gary Gilbert; NM
 SABINS, Freddie Lynne; OK
 SANCHEZ, Alfred Joe; NM
 SANDOVAL, Gerald; NM
 SAULSBERRY, Garen Jay; NM
 SCHEER, Cecilia Ruby Mc Clung; GA
 SCHMALTZ, James R.; NM
 SCHUELLER, Dale Alan; NM
 SCHWETTMANN, William Henry, III; NM
 SEAL, Steven Ray; TX
 SEARS, Ronald James; TX
 SHERMAN, Bruce Elliot; WA
 SHOUP, Roy William, Jr; NM
 SMART, Nancy Schorr; NM
 SMITH, Mickey Jake; TX
 SMYZENSKI, Robert Joseph; NM
 SOKOLL, Robert Edward
 SOLLARS, Laura Hardin; TX
 SONCHAR, Wayne Paul; NM
 SPENCER, Rae Lynn Ricks; TX
 STAGES, Andrew Hubert; NM
 STANFIELD, Roger Blake; NM
 STEGALL, Candace King; TX
 STEINHAUS, Bruce Maxwell; CO
 STEINMAN, Benny Michael; TX
 STEINMAN, Steven Brent; TX
 STOUT, Larry John; FL
 STUBBS, Charles William; FL
 SULLEN, David Henry; NM
 TALAFOUS, Kathryn Ione; NM
 TEDFORD, John Wayne; NM
 THARP, George Wallace; TX
 THOMPSON, Mary L.; NM
 THOMPSON, Tim Carroll; NM
 TIPTON, Gary Don; NM
 TOMKINSON, James Henry; CO
 TORRES, Thomas Eugene; TX
 TRUJILLO, Martin Victor; NM
 VANDEVEER, John Wesley; AR
 VANDEVER, Jerry Lee; NM
 WALSH, Joseph William; AZ
 WARNOCK, George Forrester; NM
 WATKINS, Kenneth William; NM
 WATSON, Greg Alan; CA
 WENTWORTH, Jon Bradley; TX
 WILDE, Steve L.; NM
 WILLIS, Steven Earl; TX
 WINGATE, Frank Porter; TX
 WINTERROWD, David Gene; OH
 WOFFORD, Larry Joe; NC
 WOODARD, Jeffrey Neil; TX
 ZETTEL, Gregory Charles; CA

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ABDULLAH, Asad Mohamed
 ABEAR, Gerald J.; NM
 ACEVEDO, Mario Humberto; NM
 ACEVEDO, Sylvia Elia; CA
 AGUIRRE, Antonio Lorenzo; NM
 AL-KHATIB, Kamal Jamil; NM
 ANGELIS, Stavros Sp.
 APPLETON, Vicki Bannister; TX
 ARSHI, Khalil; CA
 ASPREY, Robert Russell; AL
 ASPREY, Thomas A.; CA
 AUSTIN, Kirk J.; NM
 BAKER, Edward Wayne; CA
 BAKER, Peter Burton; AZ
 BARNES, Raymond Jasper; NM
 BARNHART, Joe Alan; CA
 BARRAZA, Ralph Perez; CO
 BELL, James Edward; MA
 BELL, Leslie Wayne; CO
 BERNAL, Rodolfo, Jr; NM
 BHAGWANDIN, Deodatt Persaud; TX
 BINGHAM, Danna Smith; NM
 BINGHAM, Jeffrey Dennis; NM
 BLAKE, Scott Fletcher; GA
 BOGGS, Marion Milner; AK
 BORDEAU, Robert Louis, Jr; NM
 BOWMAN, Daniel Charles; CA
 BREITEN, Kenneth John; TX
 BRENTON, James Richard; TX
 BRITTAIN, Ann Gary; AZ
 BROOME, Karl Frank; NM
 BROWN, John Lawrence; CA
 BRUNETTE, Mark Matthew; NV
 BURLING, Charles Thomas; NM
 BURTON, Anthony Ray; TX
 BUSH, Michael Davis; AZ
 BUTTS, Jimmy Lynn; NM
 CAMP, Jimmy Dean; NM
 CAMPBELL, Ross Wayne; CO
 CRAWLEY, Bernard Eugene, Jr; WA
 CERICOLA, Robert John; AZ
 CHAMBERLAN, Curtis Arthur; NM
 CHAVEZ, Ricardo Horacio; NM
 CHIEN, Cheng Chi; TX
 CHILLION, Randy Michael; TX
 CHU, Jih-Rui; TX
 COLDIRON, Keith Eugene; AZ

CONSTANTINE, John Thomas; CA
 CORTRIGHT, Cheryl Ann Ellard; AZ
 COTTRILL, Richard Loyal; TX
 COX, Stephen Ray; NM
 CRANSTON, Kelly Orville; MT
 CROSS, Warren Robert; KS
 DALTON, Merry Howell; TX
 DART, Robert Peter; TX
 DAVENPORT, Kent Eugene; CO
 DE LA TORRE, Luis Manuel; NM
 DE SHAZO, Gary Lee; AZ
 DOUGLAS, Johnny Earl; AZ
 DUNLOP, John H., II; AZ
 DUNN, Stephen Alan; TX
 EASON, Timothy Craig; SC
 ELLIOTT, Martin Roy; TX
 ESMAY, Michael Gibbs; WY
 FARMER, James Ligon; TX
 FARMER, James S.; NM
 FESMIRE, Phillip Scott; AK
 FIELDING, Hal David; KS
 FISCHER, Nick Martin; CO
 FLY, Carey Wayne; CA
 FULMER, Richard W.; TX
 GABRIEL, Paul Francis; NM
 GAMON, Jose Manuel; CA
 GARCIA, Aurelio Infante; AZ
 GARCIA, Jose Luis; NM
 GARCIA, Ron E.; NM
 GLASS, Robert Edwin; NM
 GOMEZ, Armando; AZ
 GONZALES, Bobby Gene; NM
 GOOD, Nathaniel Stanley, IV
 GRAMLICH, Gary Alan; CA
 GRANADOS, Joe Grubb; CA
 GRAY, Roland Farrell
 GRAY, William West; WA
 GRIER, Gary Louis; SC
 GRYDER, Norma Jean; TX
 GUADERRAMA, Guillermo, Jr; NM
 HARTNETT, George Edward, Jr; CA
 HAVENER, John Paul; TX
 HAVENER, Tamara Vaughn; TX
 HAVENS, Kenneth Harold, Jr; TX
 HEGLAND, David Alman; VA
 HITT, Raymond Thomas; NY
 HUFFMYER, Evelyn Willis; NM
 HUGHES, John Fredrick; CA
 HUMPHREY, Michael Eugene; AZ
 HUNT, Steven Dale; TX
 HUSLIG, Martin Joseph; NM
 HUTCHINS, Tommy Douglas; TX
 JARRETT, David Winfield; CO
 JEDLICKA, Russell Paul; NM
 JERAGH, Abdulmajee D. Abbas
 JOHNSON, Richard Lemmel; NM
 JONES, Jon Wayne; NM
 JONES, William Voyle; NM
 JOSLIN, Tamara Hayes; TX
 KASSIS, Raouf Yacoub; NM
 KEITH, Lloyd Lafayette; IN
 KERSCHEN, William G.; NM
 KLAER, Kenneth Carl; CO
 LARA, David Reyes; NM
 LESNIAK, Margaret F. Dixon; AK
 LEWIS, Terry Lynn; NM
 LINEBERRY, Paul William; CA
 LININGER, Martin Lee; NM
 LONG, Abraham Jimenez; CA
 LOPEZ, Ernest Apodaca; CA
 LUCERO, Florian Clarence; NM
 LUDWIG, Maximilia Stephen; NM
 LUJAN, Miguel A.; NM
 MAC AHAN, Donald Herbert; LA
 MACCALLUM, Tracy Scott; NM
 MAES, Archie Celestino; NM
 MAGRUDER, Joseph Brian; TX
 MANZANARES, Alfonso A.; NM
 MARQUEZ, Mark Anthony; CA
 MARRUJO, Daniel Pedraza; CA
 MARTINEZ, Robert Andrew; NM
 MASTERS, Danny Eugene; TX
 MC CONNELL, Stephen Michael; TX
 MC KEE, Charles Steven; TX
 MC SHERRY, David Xavier; NM
 MELKUS, Taryn Gisela; NV
 MENEFE, Stephen Clyde; AZ
 MERCADO SILVA, Manuel Ignacio; TX
 MILLAN, Vicente
 MILLER, James Robert; WY
 MOBBS, Allen Lee; TX
 MONTES, Jaime Ostos; NM
 MORTEZAZADEH, Dolores Triviz; NM
 MUNENE, Richard Francis
 MUNOZ, Jose Rafael; NM
 MURPHY, David Patrick; TX
 MUSICK, Dixie Wyatt; TX
 MUSSETT, Douglas W.; NM
 NAJAR, Louis; NM
 NELSON, Alan Harris; AZ
 NESBIT, Cecilia Margret; FL
 NIVENS, Dennis Reed; TX
 OKOH, Anthony
 OLSON, Ronald Allen; AZ
 ORMACHEA, Victor Gabriel
 ORNELAS, Antonio; TX
 PADILLA, Kenny; NM
 PEACOCK, Jeffrey Lynn; WA
 PERDUE, Selah Lee Chipman; CA
 PEREZ-MENDEZ, Pedro Ivan; CO
 PHILLIP, Bradley; OH
 PHILLIPS, Wilbert Howard; NM

PRICE, Steven Norman; CA
 RAMSEY, Debra Lock; TX
 RECTOR, Phillip Rene; NC
 RESTAINO, Michael Charles; TX
 REYES, Pedro Orlando
 REYES, Theodore Rodriguez; NM
 RIVIERA, James Michael; VA
 ROBINSON, Rick Allen; VA
 ROBISHEAUX, Colleen Wright; TX
 ROGERS, Robert Barclay; NM
 ROGERS, Steven Mark; KS
 ROHANE, Jeremy Duxbury; TX
 ROJAS-TERAN, Roberto Guido; OH
 ROPER, Randal Edmond; TX
 ROSS, William Donald; KS
 RUSSELL, Charles Sinclair; AZ
 RUTTER, Robert Eugene; NM
 SAFFER, Robert Norman; CO
 SANDOVAL, Ronald Steven; NM
 SAPP, Larry John; TX
 SASSER, Carey Jon; IL
 SCHEIBNER, David James; TX
 SCHOENHERR, James Allan; IL
 SHAHROKH NASAB, Mohammad Jaffar; NM
 SHERIDAN, Carla Radwanski; CO
 SHUBERT, Tom Ray; NM
 SILVA, David James; NM
 SMITH, Joel Benjamin; NM
 SMITH, William Randolph; FL
 SPECKMANN, Steven Ray; CO
 SPRESTER, Forrest Ronald; CA
 STEVENS, Everett Lee; IL
 STEWART, Stephen Dale; TX
 STOLL, Douglas Daniel; OH
 STOLTZFUS, Joel Monroe; NM
 STROMAN, Leon Frederic; NM
 STROUD, Thomas Darrel; NM
 SUAZO, Isaac Lawrence; NM
 SZYMANSKI, Steven James; CA
 TEAL, Marie Ashcraft; NV
 TEGTMEIER, John Arthur; NM
 TITTLE, James Kevin; TX
 TOPMILLER, Lynda L.; CO
 TORNOQUIST, David Bruce; AZ
 TOWNSEND, David Hudson; NM
 TRISOLLINI, Leo Kim; AR
 TYLER, Lynn Dolan, Jr; TX
 USMAN, Garba
 VIGIL, Carlos Roberto; NM
 WALKER, Edward Lee; NM
 WARNER, Andrew Charles; TX
 WARNER, Rodney Brent; NM
 WATERWORTH, Leonard Dale; VA
 WEAVER, Isaac Leo; NM
 WEISBROD, Kim Robert; TX
 WERNLE, Kenneth Raymond; CO
 WHITE, Bobby Jim; NM
 WIENAND, Joseph Daniel; MD
 WILKERSON, Charles Byron; CO
 WILSON, Daniel E., Jr; NM
 WILSON, Rudolph Andrew, Jr; AZ
 WOLSKIE, Paul Lester; TX
 WOOD, Jesse Glynn; CO
 WOOLFORD, Daniel Fred; TX
 WRIGHT, Glenn R.; AZ
 WRIGHT, Mark Wayne; AR
 YARBROUGH, Allyson D.; CA
 YATES, Frank William, Jr; NM
 ZANDER, Helmut George; NM
 ZIEGLER, Eric John; TX

1980

AGAR, Karl Heinz; NM
 AGUIRRE, Gregory Michael; NM
 ALBERSON, Paul David; TX
 ALBIRRI, Abduljazz Ali; TX
 ALDRICH, Bradley Dean; TX
 ALEXANDER, William Charles; NM
 ALLEN, Kevin Carter; TX
 ANDERSON, James Logan; OR
 ANDERSON, John Christian; NM
 APODACA, Richard D.; NM
 ARCHEY, James Douglas; NM
 AYERS, Harold Jack; WA
 BARNES, Ronald Edward; TX
 BAUM, Mark Lynn; MT
 BECKETT, Mark David; CO
 BENEDICT, Gregory Francis; CA
 BERNAL, Daniel Ramon; NV
 BIBB, John Stephen; TX
 BLANKENSHIP, Wesley Francis; TX
 BLUM, Curtis Minor; FL
 BOGGS, Elizabeth Benham; OK
 BOUSSALIS, Demetrios; CA
 BOUSSALIS, Helen Ryaciotaki; CA
 BOZICH, Mark Patrick
 BRANSCUM, Stephen Gerry; KS
 BREWSTER, Linda Camp; AL
 BROOKS, John Mark; CA
 BROWN, John Robert; NM
 BRUCH, Vicki Lorraine; NM
 BRUTON, Gregory Allen
 BUCKMAN, William Joseph, III; NM
 BUEHLER, Mark Charles; NV
 BURCHARD, Ross Lee; NM
 BURKET, Hans Werner; AZ
 BURLING, James Stephen; TX
 CADENA, Ruben Chaparro; AL
 CALDERON, Yolanda Marie; NM

CARLSON, John Paul; AZ
 CARRASCO, Arturo C.; NM
 CARRASCO, Reymundo Carrasco; NM
 CARTER, Elizabeth Kemp; WA
 CARTER, George J.; WA
 CAVE, Marcia Mau; NM
 CAYWOOD, Ceciel(CC) Bardwell; CA
 CHAMBERLIN, Terry Jay; NM
 CHAVEZ, Gilberto Mario
 CHAVEZ, Joaquim Blas; NM
 CHENG, Francis Conlee; VA
 CHESTER, Peter Winston; NM
 CLARK, Donald Hunter; MD
 CLARK, Gregory Vislav; NM
 CLUM, Jim Anthony; NM
 COLE, Douglas Allen; CA
 COLLIER, James Dale; NM
 COLLIER, Michael Wayne; NM
 COLLINS, Kenneth Brian; TX
 COOKE-GRIMMER, Diana Lynn; IN
 COOLIDGE, Frank Lloyd; CO
 COOPER, Roger Lee; NM
 COOPER, Royce Ray, Jr; NM
 COOPER, James Francis; CA
 COX, Stephen Martin; OK
 CRYST, Donald Allen; TX
 DAILLY, Douglas Steven; NM
 DAVILA, Alba Bastardo
 DEESE, William Moody; TX
 DE FELD, Jon Gregory; ID
 DEL RIO, Ramon Castaneda; NM
 DELC, Stephen Mark; KS
 DUNN, Glenn Aubrey; AZ
 DUNWOODY, David Joseph; TX
 DURAN, Paul S.; UT
 DYER, Timothy Dee; NM
 ELLIZONDO, Paul Mark; CA
 ELINGTON, Anthony James; NM
 ELWELL, Donald Alan; NJ
 ENGWALL, Larry Glen; CA
 ENSIGN, David Thomas; CA
 ESTEP, Forrest Earnest; TX
 EVANS, Martha Tinkle; TX
 FAUGHT, Rhonda Gail; NM
 FITCH, Henry Aguirre; NM
 FITZPATRICK, John Joseph; NM
 FLORES, Michael Wayne; AZ
 FORMEA, John Thomas; NM
 FRIEDRICH, Mark Allen; NC
 FUELL, Gordon Ray; AZ
 GALASSINI, Terry Douglas; KS
 GARCIA, John Martin; WA
 GARCIA, Luis Miguel, Jr; NM
 GARCIA, Raul Sanchez; NM
 GAUME, Arthur Norman; NM
 GIBEL, William Karl; MD
 GERETY, William Joseph; NY
 GILL, Walter; NM
 GIPSON, Jerry N., Jr; TX
 GLINES, Silas J.; NM
 GODDARD, Rudolph Stewart; AZ
 GONZALES, Matthew Gonzales; WA
 GROSS, Stanley Ross; TX
 GULLORY, Galen Joe; CO
 HANSON, Barry Wayne; NM
 HANSON, Roy Jean, Jr; NM
 HARRIS, James Dean; AZ
 HARRIS, Steven Patrick; NM
 HARTLE, Richard William; WA
 HARTLEY, Keith Alan; CA
 HEMPHILL, Douglas Allen; NM
 HENSON, Gwenna Ritchie; TX
 HESS, Timothy John; NM
 HIGHTOWER, Michael M.; NM
 HILLS, Richard Guy; NM
 HINDI, Rached; NM
 HINDS, Robert Joe; TX
 HINE, Colleen Darice; NM
 HIRTH, James Britt; TX
 HOGGATT, Jerry Lee; OK
 HOLLABAUGH, John Stephen; NM
 HOLLIS, David Dean; CO
 HUFFMYER, Ernest Le Roy; NM
 HUNNICUTT, Robert William; AZ
 JACKSON, David Lynn; TX
 JONES, Carrie Foyst; AZ
 JONES, Kent Edward; AZ
 JOURDAN, Thomas Michael; AL
 JUSTICE, Marcus Shane; AZ
 KANE, Robert William; NM
 KARBASSI, Hassan; WI
 KASPAREK, Ronald D.; CA
 KASSIS, Diana Yacoub; NY
 KATES, John Clark, Jr; TX
 KEISS, Thomas William; TX
 KELLEY, John Michael; CA
 KERBY, Cheryl Lett; CA
 KERBY, Ronald Dean; CA
 KHODAJE, Morteza; NM
 KORSMO, Mark Thurston; OK
 KRIM, Jordan Allyn; AZ
 LANDIS, David Almon; TX
 LARSON, Russell Dean, II; IL
 LASSITER, Honore Dominique; AZ
 LAUGHTER, Steven; TX
 LE DOUX, David Anthony; AZ
 LINDSAY, Michael Patrick; NM
 LIVERMORE, Dale Alan; NM
 LOCKNAME, William Murray; TX
 LONGAKER, Jeffery Joel; TN
 LOUSBERG, Charlie Mark; AZ
 LUCERO, Charles David; CA
 LUND, Margaret; TX
 LYONS, Deborah Jeanne; VA
 MADRID, George Albert; NM

MAESTAS, Roy Patrick; NM
 MARKING, Brent Alan; AZ
 MARTINEZ, John David; NM
 MARTINEZ, Mario J.; NM
 MARTOS, Frank Valles, Jr; AZ
 MATHIEWS, Robert Glenn; TX
 MAY, MATZKANIN, Randy Lee; FL
 MAYO, Clifton Bryant; TX
 MC CREADY, Ken Ed; TX
 MC FARLANE, Michael Robert; CO
 MC KEE, Phillip Russell; NM
 MC MILLAN, Neal Ervin; IL
 MC MURRY, Pat M.; NM
 MENEFE, Randall Owen; NM
 MERKINS, Robert Kenneth; CO
 MILLETT, Wallace Pratt; MI
 MITSINGAS, Michael Joannou
 MOLINA, Jose Saucedo; OK
 MONTOYA, Carlos Blanco; CA
 MONTOYA, Daniel R.; WA
 MONTOYA, David Matthew; NM
 MOORE, James Walter; NM
 MOORE, Steven Kelly; IA
 MORGAN, Charles Martin; NM
 MORTON, Ifka Faye Long; CO
 NELSON, David Wayne; TX
 NERESON, Kenneth Eugene; CA
 NUNEZ, Salvador; TX
 ORTEGA, Charles Garcia; NM
 PATTERSON, Fay Danetti; TX
 PETERSEN, Jay Richard; CA
 PETTIGREW, Richard Marvin; TX
 PINKHAM, Robert Sanborn, III; TX
 PITSTICK, Gerald Michael; TX
 POE, Michael Travis; NM
 QUINONES, Lubin M.; NM
 RAGAN, David Nelson; AZ
 RANKIN, Ricky Dean; IL
 RITCHIE, Alan D.; TX
 ROBERTS, Kenneth Wayne; NY
 ROCHA, John E., Jr; NM
 ROGERS, Rance Scott; TX
 ROGERS, Valerie Kuning; NM
 ROMERO, David Elizardo; NM
 ROSE, James Daniel; NM
 RUTAR, Greg Louis; WA
 SALINE, Kenny R.; AZ
 SALISBURY, Bruce Allen; NM
 SANCHEZ, Marvin Anthony; NM
 SANDOVAL, Peter Paul; NM
 SANI, Adamu Alhaji
 SARASON, Deborah Bindel; CO
 SAVAGE, Wayne L.; CO
 SAYLOR, Dennis Alan; CA
 SCHNEIDER, Dorothy Pexton; NY
 SCHWEBKE, Steven Delaine; NM
 SENA, Patrick A.; NM
 SEUSY, Clifton Jay; ID
 SHELLEY, Kenneth Ray; AZ
 SHELLEY, Valerie Anderson; AZ
 SHOTTON, Ernest Alphas; TX
 SIERRA, Roberto Eduardo; CA
 SIFUENTES, Randall R.; CA
 SIMMONS, Timothy E.; TX
 SIMS, Jerry Paul; AZ
 SIMS, Michael Ray; AZ
 SLUSHER, Michael David; CA
 SMALL, Terry M.; CO
 SMITH, Paul Dale; AZ
 SOLLARS, Gilbert Lee; TX
 STEPHENS, Mark Douglas; NC
 STIEFEL, Robyn Erica; NM
 STOCKTON, Gail Rapparie; NM
 SWIGART, Patricia May; TX
 TAYLOR, Karen Sue; NM
 TEMPLEMAN, Terry Leroy; TX
 THACHER, Eric Forsta; NY
 TINTORER, Jorge Alejandro
 TOON, Kimberly Drunder; TX
 TORRES, German
 TORRES, Ned Luis; NM
 TOWNSLEY, William Gregg; TX
 ULIBARRI, Ronald Ernest; TX
 URBAN, Robert Anthony; CA
 VAUGHN, Otha Jane Chandler; NM
 VILLALOBOS, Guillermo; NM
 VIZCAINO, Eliseo Larry; NM
 WARD, Van Noble; TX
 WARREN, Clay L.; TX
 WATSON, Eddie Mike; NM
 WATSON, Mark A.; NM
 WEISS, Carl Rivera; MO
 WHEELER, Jon Arthur; OH
 WILLIAMS, Cynthia Ann; TX
 WILLIAMS, Ronald; TX
 WILLIAMS, Stephen Lynn; NM
 WOMACK, James William; NM
 WRIGHT, James Rogers; NM
 ZERWEKH, Paul Samuel; VA

1981

ADAMS, Donald Curtis, II; AZ
 AKLAN, Amin Mohamed
 ALGHAMDI, Mohammed Saeed; TX
 AL-KHALDI, Faisal Homoud; TX
 ALLNUTT, Katherine Wertz; OR
 ALUMARY, Yanallah Saeed Ali; TX
 ANDERSON, Gilbert Alan; NM
 ANDERSON, Jolie Brany; NM
 ANTZOULATOS, Daniel G.; CA
 BARELA, Joseph Bennie; NM

BASS, Alvey Otis; TX
 BEGINSKI, Joseph Guy; NM
 BELTRAMO, Rick Lynn; NM
 BENARD, John J.; NM
 BERNAL, Jose Servando; TX
 BILBERRY, Rick Dean; OK
 BLOOM, Leonard George; NM
 BOGNAR, Erin Sue; CO
 BOULER, Valerie L. Andres; CA
 BOWLES, Matthew Robert; NM
 BRADT, David Jay; TX
 BREWSTER, Steve Ronald; AL
 BROOKEY, Lawrence Dorman; AZ
 BROWNFIELD, Jay Arthur; AZ
 BRUCE, Robert Price; NM
 BURGER, Michael Dean; CA
 CAMPBELL, Alan Dale; AZ
 CAMPBELL, David Frederick; TX
 CAMPBELL, Shirley Maxwell; TX
 CAMPBELL, Stephen Patrick; TX
 CAMUNEZ, Kevin Jerome; NM
 CARDENAS, Roger; NM
 CARMINATI, John Robert; LA
 CATANACH, Russell Andrew; CA
 CATES, David Lee; NM
 CEGERENKO, Nikolay; NJ
 CHAVEZ, James Martin; NM
 CHIDESTER, Phillip Ran; CO
 CHURCH, David Brian; NM
 CLARK, Byars Brian; GA
 CLARK, Richard Roy; NJ
 CLINTON, Michael C.; AZ
 COBURN, James Hunter; NM
 COLLINS, Charles Wayne; NM
 CRENSHAW, Jamie Louis; MI
 CRUTCHER, Wayne Ray; TX
 DELFIN, Randy; NM
 DENT, Christopher Lawson; OR
 DES GEORGES, Frank Patrick; CA
 DIAZ, Eduardo Gerardo
 DOYAL, Robert Floyd; NM
 DUBE, Kathleen Ann; NM
 DUNKELMAN, Jay Arnold; OH
 DUTCHOVER, Richard; NM
 EDWARDS, Findlay Gordon; NM
 ELLIS, Robert Mitchell; WY
 ERICKSON, Bruce Alan; CO
 ESQUIBEL, Robert; NM
 FARMER, Timothy Mark; CO
 FERRRO, Edward Porras; NM
 FISHER, Kevin Perry; NJ
 FREDERICK, John Lawrence; NM
 FULLER, Lorraine Marie; CO
 GALLEGOS, Donald James; NM
 GAMON, Jose Luis; NM
 GARCIA, Ernest Cunningham; TX
 GARCIA, Martin Ronald; NM
 GATTI, Mark Stephen; CA
 GENTLE, Phillip Dean; AZ
 GENTRY, James Michael; OK
 GHAHRAMANI, Ferozdon; TX
 GOOTKIN, Howard Michael; CA
 GRAGG, Kerry Morton; MD
 GRAY, Michael Edwin; TX
 GREGORY, Julie Jeannette; NM
 GREGORY, Michael Scott; AZ
 GROSS, Louis Anthony; CO
 GROTHUS, Heidi Whitmore; CA
 GRUBEL, Patricia Anne; NM
 HANSEN, Leslie; TX
 HAWKINS, Susan Mary; OR
 HERNANDEZ, Edwin L.; CO
 HERNANDEZ, Frank Pinedo; TX
 HICKS, Karen Lynn Cummings; TX
 HILTS, Derek; CA
 HINOJOS, Augustin Astorga; TX
 HOLGUIN, Arthur Woods; NM
 HOLT, John K.; CO
 HOOD, Thomas Glenn; CA
 HORN, Gary Lane; NM
 HUBBARD, James Lloyd; TX
 HUDSON, Mary Lynn Urban; NM
 ISLAS, Stephen Wayne; NM
 JACKMOND, James Alfred; AZ
 JAMESON, Thomas Edward, Jr.; NM
 JOHNSON, Jeffrey Laine; NM
 KASSISIEH, Oustandi Ibrahim; NM
 KENNEL, Thomas Lee; TX
 KNISLEY, Tedd C.; TX
 KORZEKWA, Kenneth Ray; DC
 KRAUSE, Robin Ernest; AK
 KRIVOKAPICH, Gary; CA
 LANE, Floyd Ray; NM
 LARA, Harry Lee; TX
 LASTER, Jeffrey; TX
 LEOS, Manuel; TX
 LESKO, Mavis Brauer; IL
 LIVERMORE, Hugh Frank; NM
 LIVINGSTON, Kirk Samuel; TX
 LONGENBAUGH, Mark Charles; TX
 LOOS, Bill Hugh; TX
 LOPEZ, Kenneth M.; NM
 LYNCH, Stephen Douglas; NM
 MABIE, Norman John, Jr.; TX
 MAESTAS, Arthur Ed; NM
 MAKHLOUF, Makhlof Mahmoud; MA
 MALIKI, Saadu
 MARQUEZ, David F.; DE
 MARQUEZ, Robert Orozco; AZ
 MARTIN, Roy M.; TX
 MARTINEK, Robert Jay; NY
 MARTINEZ, Gerard A.; NM
 MARTINEZ, Jose Mata; AZ
 MARTINEZ, Paul Patrick; CA
 MARTINEZ, Steven David; NM

MARTINEZ, William David; NM
 MASHI, Garba Ibrahim
 MASTERS, Alfred Dan; NM
 MATHERS, Frank Stephen; FL
 MC CARTHY, William Charles; NM
 MC CLANAHAN, Michael Charles; NM
 MC CRAY, Casey William; ID
 MC DONALD, Kriss Andrew; TX
 MC WILLIAMS, Mike; CA
 MEIERS, Nancy Garnett; TX
 MENDEZ, Irma R.; CA
 METHENY, Steven Mark; CO
 MILLAR, Michael Mark; IL
 MILLEMON, Sharon Schuster; OK
 MOABED, Mohammad Hassan; NM
 MOHAMMADI, Ziauddin; NM
 MONTROY, Patrick Manuel; NM
 MONTOYA, Victor Frederick; NM
 MOORE, Gayle Smart; TX
 MORALES, Willie, Jr.; TX
 MORRISON, Eric Jed; OK
 MORSE, Margaret Kotsdon; WA
 MYERS, John Howard; CA
 NANNINGA, Bruce A.; CA
 NEVAREZ, Jose Gomez; TX
 NEWMAN, Dennis Lawrence; FL
 NICHOLS, Jeffrey Glen; TX
 OEL, Lian Jiang; NY
 ORTIZ, Gerard Thomas; NM
 PACE, David Wayne; MD
 PACHECO, Floyd Martin; NM
 PADILLA, Pablo Benjamin; NM
 PAGE, Darrell T.; KS
 PANDO, Clara; NM
 PAVLAKOVICH, Henry Jay; NM
 PAYNE, Thomas Weldon; NM
 PAYNE, William Glen; TX
 PETTY, Dennis Edward; TX
 PLANTE, Barry Allen; NM
 POLING, Gary Dean; CO
 PRUITT, Craig Allan; WY
 QUINONES, Alicia Maria; AK
 RASINS, Robert C., Jr.; TX
 RAY, James Loyed; NM
 RAY, Larry Paul; NM
 RHODES, Kyle Kelley; NM
 RICHARDSON, Jack Quincy; AZ
 RICKETTS, Craig Ira; NM
 RIENSCHKE, Mark Eugene; CO
 RILEY, Donald Gene; TX
 ROBERTSON, Danny Earl; NV
 ROBERTSON, Mark D.; AZ
 ROCKWELL, David Maury; TX
 RODRIGUEZ, Jose Rene; NM
 ROGERS, John David; TX
 ROONEY, Jerrilyn Mozer; CO
 ROYBAL, Lucille Mary; NM
 RUIZ, Christophe James; TX
 SALAZAR, Michael Joseph; UT
 SALEHIAN, Hossein Dardashti; NM
 SANDERS, James Harvey; ID
 SANDERS, Janet Hardin; ID
 SCHRIBER, Peter Charles; TX
 SCHRUBEN, Thomas Jay; MD
 SENN, David Mathew; NM
 SHEPARD, Richard Arthur; TX
 SHUBERT, Ralph Alan; LA
 SIERRA, Rene Herrera; NM
 SKAGGS, Samuel Russell
 SMITH, David James; AZ
 SMITH, Seth Arthur; NM
 SNOW, Daniel Wayne; TX
 SORENSON, Gary Arthur; NM
 SPINNATO, Roger Ernest; GA
 STEVENS, Anthony; UT
 STOHR, Rosemary; AZ
 STRATTON, Gary Van; TX
 SUBIA, Samuel Ramirez; NM
 SWAFFORD, Garry Wayne; NM
 TANNER, Mary Breyer; AZ
 TAYLOR, Fredrick Charles; AZ
 TAYLOR, Ron J.; AZ
 TEEL, Lawrence Elmore; TX
 TESTER, James Charles; NM
 THOMPSON, Jonn Glenn; NM
 THOMPSON, Karl Clyve; CO
 TILLMAN, Robert Gary; TX
 TOPMILLER, James R.; NM
 TRAEGER, Marc Steven; AZ
 TRUJILLO, Ernest Toby; CO
 TURNER, Sylvana Mornelli; TX
 VAIL, Robert Andrew; NM
 VALDEZ, Leonard Gene; NM
 VALDEZ, Patrick; AZ
 VASQUEZ, Evelyn Romero; NM
 VERRETT, Sheldon Philip; MO
 VIGIL, Hipolito Esteban; NM
 VIGIL, Orlando David; NM
 VOELZ, David; NM
 VOLKMER, Blane Lee; NM
 WACHTLER, Patrick Joseph; WA
 WAKEFIELD, Mark Steven; NM
 WALLACE, Kelly William; CA
 WEAR, William Ross; AZ
 WEAVER, Max Douglas; TX
 WHITEMAN, Daniel L.; TX
 WILLIAMS, Charles Harvey; NM
 WILLIAMS, Mona Fay; NM
 WUNSCH, John Joseph; CA
 YARBROUGH, Freddy Dekhoma; CA
 YAZZIE, Norman Russell; NM
 ZAMORA, Eric A.; OK
 ZAPOTOCZNY, Joseph Chester; NM

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ZEDIAK, Stephen Paul; NM
 ZESPY, Daniel A.; AZ
 ZOTTNICK, Kirk William; CA

ABDULLAHI, Garba Abubakar
 ABEYTA, Ralph Levi; TX
 ABUADHMAH, Abdulaziz Hamzah; TX
 ACOSTA, Concepcion, Jr; NM
 ADAMS, Brett Lee; TX
 ALBERT, Gayle Ann; NY
 ALKHAFI, Tariq Amenn; AZ
 ANDERSEN, John Harold; AR
 ANDERSON, Lon Robert; NM
 APEL, Charles Andrew; TX
 ARAGON, Joseph Libby; NM
 ARMUJO, Billy Molina; NM
 ARROYO, German Alberto; TX
 ASSELINE, Stuart Lawrence; NM
 AUSTIN, David Steven; AZ
 BACA, Anthony Mel; NM
 BACA, Larry Eugene; NM
 BACA, Robert Gerard; NM
 BAHRAMIAN, Mohammad; TX
 BAIZ, Roberto; NM
 BAKER, Raymond Dalton; TX
 BALCOMB, Nicholas Frederick; OK
 BARNABY, Robert Glenn; TX
 BARRON, Alan Curtin; FL
 BEENE, David Max; NM
 BERNHARDT, Richard Brian; NJ
 BERRYMAN, Gedon Glenn; TX
 BITSIE, Joseph; NM
 BJARKE, Karl Darwin; CA
 BJARNARSON, Sigurborg
 BLACK, Ronald Owen; NM
 BLAKE, Tina Mae; UT
 BRESETT, Patrick Robert; AZ
 BRILEY, Alan Dale; NM
 BROOKS, Russell Lee; TX
 BUI, Jean Claude; CA
 BURAK, Mark Henry; NV
 BUSH, Stanley Allen; AZ
 CADY, Kenneth Floyd; MI
 CARAWAY, Patrick Henry; TX
 CARLSON, Trent A.; CA
 CARLTON, Robert Steven; NM
 CASTILLO, Steven Philip; NM
 CATANACH, David Ramon; NM
 CAVE, Charles Allen; NM
 CHAVEZ, David Blas; NM
 CHAVEZ, Pamela Suzette; NM
 CHENG, George J.; NM
 CHRISTOPHER, Melvin Jerome; NM
 CLARK, Elijah Paul; NM
 CLAWSON, Robert Alan; CA
 COLE, Gregory Wayne; CO
 COMER, David Michael; NM
 CONLEE, Carl Samuel, III; TX
 CONNERS, Patrick Brian; GA
 CORDOVA, Arthur; NM
 CRABB, Charlene Inge; NM
 CRAWFORD, Jerry Glenn; MN
 CRUZ, Barney, III; TX
 DAVIS, Kerry Lane; NM
 DE BENEDICTIS, William Alfonso, Jr; CA
 DE CORSE, Rebecca L. Williams; AZ
 DIXON, Joel Robert; CA
 DORN, Ronald Ernest; NV
 DURIO, Mark Douglas; TX
 DURKIN, John Joseph; CO
 DURKIN, Michael Brian; AZ
 ELLIOTT, Brian David; CA
 ESTES, Thomas Keith, Jr; NM
 EVANS, Clinton L.; TX
 FARRIS, Douglas Chandler; NM
 FENZI, Neal Orazio; CA
 FERDA, Steve Robert, Jr; TX
 FESMIRE, Courtland Greg; NM
 FIDEL, Michael J.; IL
 FLORES, Jesus
 FLORES, Richard Allen; AZ
 FONONNI, Akbar; CA
 FRANCIS, Alfred; NM
 FRARY, Susan Jane; NM
 FRITZ, Marselle Howard; NM
 GABALDON, George Michael; NM
 GALLEGOS, Jose Roman; NM
 GALLEGOS, Robert Joseph; NM
 GALLUS, Timothy David; NM
 GANNON, Michael John; NM
 GANTZ, Durward Kent; TX
 GARCIA, Charles Thomas; CO
 GIBBS, David Carl; CO
 GILLIS, Kathleen Ann; NM
 GIRGIS, Magdi Aziz; FL
 GOFORTH, Kerry James; VA
 GONZALES, Gloria Martinez; NM
 GONZALES, Richard Joseph; AZ
 GOODING, Charles Erwin; NM
 GORDON, Nancy Davis
 GRACE, Sylvia Ann Meyers; NM
 GRAHAM, Robert Houston, Jr; NM
 GREENWALD, John Lewis, III; TX
 GRIEGO, Rosanna Lopez; NM
 GRUNDY, Roberta Osuna; TX
 GUTIERREZ, Guillermo
 GUTIERREZ, James Marcus; NM
 HAKEEM, James Phillip; NM
 HANSON, Galan Keith; NM

HAYS, John Thomas; CA
 HEAD, Stuart Randall; MD
 HEMPHILL, Richard Lee; NM
 HENDRICKS, James Carr, Jr; NM
 HEROLD, Calvin Ray; NM
 HICKS, Daniel; NM
 HIGHTOWER, Timothy Keenan; NM
 HILL, Mark Edwin; TX
 HINE, Bart Leon; CA
 HOFER, Matthew Greg; TN
 HOUSER, Clinton Dwayne; NM
 HOWIE, John Keith; TX
 HUDY, Joseph Warren; TX
 HUNICKE, Ruth Keeling; TX
 HYDE, Edwin Michael; NM
 IHLER, Jerry Scott; OK
 INGRAM, Bryan Allen; NM
 JANSSEN, Michael George; TX
 JARYNOWSKI, Robert John; NM
 JOHNSTON, Wilbur Ralph; NM
 KESTELL, Kenneth John; NM
 KING, Brad Alan; NM
 KRETTECOS, Chris James, Jr; CA
 KUENSTLER, Tonja Lea; NM
 LANDERS, Mark Alan; CA
 LANE, Warren Harvey; MT
 LANSFORD, Tyson Calvin; NM
 LEHING, Andrew C.; TX
 LEWIS, Vicki Sanders; NM
 LINDSEY, Coy Ernest; AZ
 LITTLETON, Paul Edward; NM
 LOPEZ, Richard Maese; NM
 LUCERO, Ray Paul; NM
 LUGO, Alfredo; TX
 LUJAN, James Victor; NM
 LUND, Barbara; AZ
 MAESTAS, Herman Jacob; ID
 MARRUJO, Tony Reynaldo; NM
 MARTINEZ, Alex; NM
 MARTINEZ, Donald John; SD
 MARTINEZ, Elizabeth B.; NM
 MARTINEZ, Leroy Ernest; NM
 MARTINEZ, Patricia Roberta; CA
 MARTINEZ, Raymond John; NM
 MATA, Roberto, Jr; NM
 MC BROOM, Greg Wayne; CO
 MC CONNELL, Martin Andrew; NM
 MC COTTER, Ralph Eugene, Jr; WA
 MC ELROY, John Eugene; NM
 MC WILLIAMS, Randy Odell; TX
 MECHEMBIER, Catherine Castillo; TX
 MECHEMBIER, Mark Charles; TX
 MEDINA, Frank Joseph; AZ
 MELFI, James Francis; CA
 MENDEZ, Victor; NM
 MIER, Steve Gilbert; NM
 MILLER, Mark Ray; NM
 MILLER, Michael John; NM
 MIRAMONTES, Margie; TX
 MITCHELL, Mark Sanders; CO
 MITCHELL, Robert Lee; NM
 MOLL, Jeffrey Edwin; NM
 MONJEZ, Daryoosh; CA
 MOORE, Michael Francis; TX
 MORGAN, Gina Annette; NM
 MORRIS, Edward Gerald; NM
 MOYA, Eugene Alfonso; NM
 MOYA, Jaime Luis; NM
 MUSARURWA, Bernard
 NASSERI, Heidar Ali; TX
 NAVARRETE, Manuel Sanchez; TX
 OLAGUE, Lorena; TX
 OLSON, Jay Thomas; NM
 ORR, Keith Randall; TX
 PACHECO, Louie Henry; NM
 PADILLA-WUNSCH, Fe; CA
 PAZ, Mark Anthony; NM
 PERALES, Eric; NM
 PEREZ, Jaime; NM
 PERKINS, Cary Glenn; TX
 PETERSON, Keith Alan; NM
 PHILLIPS, William Frank; TX
 POHLY, Gregg Millard; AL
 POTTHOFF, Edward Louis; NM
 PRALL, Kirk Dwight; NM
 QUINTANA, Juan Felipe; TX
 RAE, George Juan; NM
 RAE, Gilbert David; NM
 RECTENWALD, Elizabeth
 Easterling; CA
 REESOR, Nevitt Dean; CO
 RICKETTS, Holly Gordon; NM
 RICKETTS, Paul Henry; NM
 ROBLEDO-SOSA, Cornelio
 RODKE, Russell Richard; NM
 ROGOWSKY, John Anthony; VA
 ROMERO, David; NM
 ROMERO, Kenneth Nelson; NM
 ROONEY, Patrick Francis; CO
 RYAN, Robert Mark; NM
 SACHS, Daniel Martin; NM
 SADEGHI, Ahmad; TX
 SAMUELSON, Kent Eugene; CO
 SANDERS, Shawnda Sue; NM
 SANDFORD, Peter Alden; NM
 SCANLON, Terence George; NM
 SCHULZE, Kris Reeve; OK
 SEIDEL, Frank Arthur; TX
 SELLERS, Randall Dee; TX
 SENA, Matthew David; NM
 SHAFER, Daniel Lee Glenn; NM
 SHAFER, Stephen Marlin; NM
 SMITH, Eric A.; NM

SMOKER, Kurt Alan; NM
 SORROCHE, Elizabeth Huffman; NM
 SOTOMAYOR, John Louis; TX
 STEINBERG, Theodore Aaron; NM
 STOKES, Kirk William; NM
 STUART, Carson Ray; PA
 STUDDARD, Paul William; WV
 TAG, Assem Abdel-Rah.
 TATE, Richard Howard; TX
 THOMAS, Terry Lee; TX
 THOMPSON, Virgil Paul; NM
 THORNE, Jere Luther; NM
 TRUJILLO, Romeo Orlando; NM
 TSENG, Lee Cheng; CA
 VARELA, Rodney Robert; NM
 VASQUEZ, William Edward; NM
 VIGIL, Charles Elmer; NM
 WATSON, Gabe Arnold; CA
 WEST, Terry Ross; TX
 WILLIAMS, Carol Sims; NM
 WILLIAMS, Howard Woodrow, Jr; NM
 WILLIAMS, James Harrison; NM
 WOTRING, Jefferson Michael; TX
 YARBRO, Stephen Lee; NM
 YARBRO, Tresa Halford; NM
 YAZZIE, Aneva Jean; NM
 YODER, Ellen L. Cox; CA
 ZAMORA, Sharon Hudson; OK

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ABERNETHY, Charles Ernest; VA
 ABEYTA, Randal Mark; NM
 AGAN, Darrell Lee; NM
 AL-EID, Ali Maki Mocha; TX
 AL-GHAMDI, Ali Ahmed Abdullah; TX
 AL-HANFOOSH, Jaffer
 Mohammad
 ALTUM, David Craig; NM
 ANAYA, Margot DeLapp; VA
 ANDERSON, David Richard; TX
 ANDERSON, Jerry James; NM
 ANDERSON, Mark Ubbie; NM
 ARAGON, Filemon Louez; NM
 ARANDA, Nicholas Ray; NM
 ARCHULETA, Ernest Deloy; NM
 ASHWELL, Patricia Marie; NM
 ATTEBERRY, Bradley Eugene; CO
 BACA, David Ortega; NM
 BACA, Paul David; CA
 BAER, Kelley Gillis; TX
 BAER, Robert Emili; TX
 BAILEY, Dean Ross; NM
 BAIRD, Cole Walter; NM
 BAIRD, Kelly Lavall; NM
 BALCH, Russell Eugene; NM
 BARBOA, Lynnette Christine; NM
 BASQUEZ, Stephen Paul; ME
 BERG, William Joseph; NM
 BERRY, Craig Alan; TX
 BIRKHAUSER, Gerard Joseph; CA
 BITSIE, Sandra; NM
 BLEA, Anthony; NM
 BOBERG, Steven Al; NM
 BOND, B. Craig; NM
 BOOR, James Steven; NM
 BORRERO, Ricardo Roberto; NM
 BOWDEN, Becky Diane; AZ
 BOWDEN, Beverly Suzan; NM
 BOWDEN, Kathleen Tindal; TX
 BRADDI, Louis Joseph, Jr; CA
 BROCKMAN, Michael Steven; CO
 BROWN, Barry Alan; AZ
 BRYANT, John Arthur; NM
 BRYNER, Richard Lewis; NM
 BURLBAW, Edward James; NM
 BURNS, Michael James; NM
 CAHON, Colin Paul; TX
 CARLSON, Jeffrey John; NM
 CARRILLO, Francisco; NM
 CATANACH, Richard Anthony; NM
 C DE BACA, John Manuel; NM
 CENICEROS, Imelda Barron; NM
 CHALINE, Daryle Cline; NM
 PRALL, Kirk Dwight; NM
 CHAVEZ, Calvin; NM
 CHAVEZ, Chester; NM
 CHAVEZ, Douglas Fernin; AZ
 CHAVEZ, Frank Delbert; NM
 CHAVEZ, Matt Lewis; NM
 CHIDESTER, Richard Allen; MI
 CODD, Carla Beth Tinkle; TX
 COLE, Pamela Shreffler; NM
 COLLINS, Terrance George; AZ
 COOK, Ryan David; NM
 COOLEY, Bruce Ryan; FL
 COSGRAY, Sandra Rae Mathews; NM
 COVEY, Robert Carlton; TX
 CUDE, Alan Bruce; TX
 DALLMAN, Jeffrey James; NM
 DAVISON, Rodney Bruce; NM
 DAVIS, Otis Dewitt, III; FL
 DELGADO, Armando Rafael; TX
 DE LUCIA, Jon Gregory; GA
 DETTE, Michael John; MD
 DIAZ, Conrado
 DIETZEL, Gregory Bryan; WA
 DI SANTO, Salvatore, Jr; NY
 DIXON, Victor; NM
 DOBBINS, Freddie, Jr; NM
 DOMINGUEZ, Alvin Carrasco; NM

DOMINGUEZ, Ismael Carrasco; CA
 DON, Steve; CA
 DONHAM, Brent Lane; NM
 DOVE, Gary La Verne; NM
 DRAELOS, Laura Essington; NM
 DRAELOS, Timothy John; NM
 DRISCOLL, Timothy Paul; NM
 DURAND, Steven James; WA
 DYER, Susan Foster; CA
 EDDINGS, Donald Russell; NM
 ELDERS, Phillip David; TX
 ELY, Judith Dianne; TX
 ESCAMILLA, Joe Alfonso; NM
 ESCARINO, Patricia Nava; AZ
 ESTES, Dasha Lynn; TX
 EWY, Keith Allan; SD
 FISHBURN, Paul; TN
 FLEMING, Sean William; NM
 FLOREZ, Gary Dominguez; NM
 FOLK, Steve; NV
 FRANKE, Daniel Grant; CO
 GANNON, Maureen Lindsay; NM
 GARCIA, Ruben Chavez, Jr; NM
 GARCIA ROVIROSA, Rafael
 GARRETT, Jack Dean; NM
 GASS, Billy Gene; NM
 GASTELUM, Oscar; TX
 GILES, Deborah S; AZ
 GLACKEN, Pamela Gares; TX
 GLASCO, Timothy Alvin; NM
 GLASS, Martha A. Garcia; NM
 GOMEZ, Robert Eugene; NM
 GONZALES, Gregory Paul; CO
 GONZALES, Regina Griego; CO
 GONZALES, Thomas James; WA
 GONZALES, Viola; NM
 GRACE, John William, Jr; NM
 GRANT, Tracy Ann; NM
 GRAY, Paul Wayne; NM
 GRIFFIN, Marcus Eugene; OH
 GRITZO, Russell Earl; NM
 GROTHUS, Michael A.; CA
 GRUBBS, Peggy Shaun D.; NM
 GUERRA, Juan Manuel, Jr; NM
 GURROLA, Roy R.; NM
 GUTIERREZ, Steven Blas; NM
 HAES, Dennis Wayne; TX
 HALL, Julie Ann; CO
 HALPER, Robert Joseph; CO
 HAMKE, Eric Ehrhardt; NM
 HAMMER, Sheryl Pounds; CO
 HARDENBROOK, Donovan Ray; AZ
 HARRIS, David Brian; NM
 HARRIS, John Thomas; AZ
 HART, Robert Allison; CA
 HEGGE, William Cleaves; NM
 HEMPHILL, James John; TX
 HERNANDEZ, Albino Estrada; NM
 HEYDT, Harold J; ID
 HICKS, Aaron David; CA
 HIGEN, Mark James; CA
 HINES, Charles Mike; TX
 HOBBS, Edwin Wesley; NM
 HODGE, Mark David; NM
 HODGSON, Scott Fredrick; NM
 HOLGUIN, Alfredo C.; NM
 HOLGUIN, Mike Joseph; CA
 HONEYFIELD, Eric Lee; NM
 HORSTMANN, Paul Henry; NM
 HOSSLEY, Debora Habing; NM
 HUFF, Georgianne; NM
 HUGHES, Steven Rolland; CA
 ITALIANO, Vickie Mary; ID
 IVES, Jonathan Andrew; AZ
 JAMES, Eva Gregory; NM
 JARAMILLO, Lee, Jr; NM
 JENKINS, Sammy Sorrell, Jr; NM
 JESKE, David William; NY
 JOHNSTON, Raymond Fain; NM
 KAMEYER, Darren Allen; TX
 KEERAN, Bill Don; NM
 KEMP, Kevin Darr; NY
 KESTELL, Susan Patricia; NM
 KEYVAN, Amir Ebrahim; TX
 KILGORE, Mark Steven; TX
 KITTING, Leroy Grant; NM
 KUO, Rong-Heng; NM
 LAURSON, Roger Jay; AZ
 LAUTENSCHLAGER, Karen Anne; CO
 LE DOUX, Lee Fred; NM
 LIVINGSTON, Edwin Carl; NM
 LUCAS, Mark Edward; TX
 MADRID, Arlene Cardon; NM
 MAESE, Thomas Paul; NM
 MAHER, John Michael; LA
 MALLERNEE, Jerald Thomas; NY
 MALM, Bruce Norman; NM
 MARLIN, Eric Curtis; NM
 MARSHALL, Bill Wayne, Jr; NM
 MARTIN, Kenneth Lloyd; TX
 MARTINEZ, Adrian Steven; NM
 MARTINEZ, Danny Alex; NM
 MARTINEZ, Floyd; NM
 MARTINEZ, Israel L.; NM
 MARTINEZ, Leroy Michael; NM
 MARTINEZ, Peter Joseph; CO
 MARTINEZ, Rubel Francisco; NM
 MASON, Roy James; TX
 MASSEY, Richard Gordon; NM
 MC CARVILLE, Dennis Charles; TX
 MCKENZIE, Andre Bryden; CA
 MC SHERRY, J. Keven; NM
 MEDINA, Anthony James; NM
 MEEKS, Jimmy Lee; NM

MERHEGE, James Fidel, Jr; NM
 MERRITT, Jeffrey Byron; OK
 MICHALK, David Louis; CA
 MILLER, Scot Charles; CO
 MISSEY, Andrew H.; NJ
 MONTOYA, Daniel Paul; NM
 MONTOYA, Eric R.; NM
 MORALES, Jose Maria, Jr; VA
 MYERS, Brian Richard; NM
 NAKAMAE, Kenneth Akira; NM
 NAVARRO, Armando Ray; LA
 NEWTON, Barry Edward; NM
 NOLAND, Gary Warren; OK
 NUNN, Stephen William; CA
 OLIVAS-AYALA, Edmundo; TX
 ORTEGA, Christopher Armando; NM
 ORTIZ, Richard Anthony; NM
 OSANTOWSKI, Keith Leslie; CA
 OSBORN, David Wayne; CO
 OWEN, Brian A.; NM
 PADILLA, Felix Antonio; TX
 PADILLA, Paul Joseph; CO
 PALMER, Janis Hunter; FL
 PAPPAS, Stephen Omar; CT
 PARADA, Jesus Alfonso
 PARISH, David William; NM
 PARNELL, Kirk Edward; NM
 PARSONS, Brad Alan; NM
 PATTERSON, David Jearl; TX
 PAZ, Luis Anastacio; NM
 PELUPESSY, Arthur
 PEREZ, Jesus Jose; NM
 PETERS, Bryan David; NM
 PETERSON, Kristin Jo; NM
 PINO, Kenneth Neal; CO
 PRINGLE, George Douglas, Jr; WA
 RAMOS, Joseph Arthur; NM
 REESE, Larry Duane; AZ
 REEVES, Ronald Russ; FL
 REMLEY, Dennis Michael; NM
 RENTERIA, Lourdes Gutierrez; NM
 REYNAUD, Richard James; NM
 REYNOLDS, Rickey Lynn; OK
 RICHARDSON, Noel Martin; NM
 RICHARDSON, Robert Peirson; NM
 RIVES, Kristi Lea Perryman; CA
 RODKE, Thomas West; CA
 RODRIGUEZ, Stephen Michael; NM
 ROMERO, Albert; VA
 ROMERO, Carlos Thomas; NM
 ROMERO, Gary Timothy; AZ
 ROYBAL, Richard G; NM
 RUDDOLPH, Virginia Sue; VA
 RUDDOLPH, William Mark; VA
 RUNDLE, William Eric; TX
 RYAN, Dorothea Brooks; NM
 SADEIK, Gordon Bruce; VA
 SANCHEZ, Jerry Robert; NM
 SANCHEZ, Leticia Romero; TX
 SANCHEZ, Philip G.; NM
 SANDFORD, Michael Avery; AZ
 SANDOVAL, Curtis Alden; NM
 SANDOVAL, Josefita Baca; NM
 SCHANEFELT, Geraldine Lucy; NM
 SCHIRBER, Andrew Lawrence; NM
 SCHMERHEIM, Regis Arie; NM
 SCOTT, Ronnie David; TX
 SEIBERT, Tonya Alvarez; TX
 SHERWOOD, Perry Dwight; NM
 SHOUMAN, Ahmad Radey; NM
 SISSON, Dirk Alexander; AK
 SMITH, Terry Lynn; CA
 SOLOMON, Otis Mornington; NM
 STAHLER, Sabrina LaPlante; AZ
 STARKEY, Vern Leroy, Jr; NM
 STEARNS, Charles Carey; NM
 STENMARK, Kent; WY
 STEVENS, Kenny Arnold; NM
 STOHR, John Mark; CA
 SWINNEY, Jay Charles; NM
 TAYLOR, Alan Madison; NM
 TAYLOR, Jeffrey Alan; NM
 THEISEN, Jacob Fredrick; TX
 THOMAS, Thomas
 TRAINA, Tierney Lynn; CA
 TRUJILLO, Leonard Anthony; NM
 TURNBULL, Dennis Allan; NM
 UTTER, Leonard Patrick; NM
 VANBEBBER, Glen Alan; CA
 VIGIL, Ramon Pablo; CA
 VOELZ, Brian Arthur; LA
 WALLS, Lawrence Houston, II; NM
 WARNER, Peter Dale; NM
 WEISNER, Craig Richard; NM
 WESLEY, Janet Enoch; CA
 WESLEY, Jerry Allan; CA
 WHITESIDES, Christopher; AZ
 WIDLICKA, Robert Allen; OH
 WIELAND, Norman Eric; AZ
 WILCOX, Raylyn Mitchell; NM
 WILSON, Dale Ray; OK
 WILSON, Scott Alan; NM
 YANEZ, Raul Sandoval; NM
 ZAGONE, Michael Anthony; CA
 ZAGONE, Paul Andrew; NM
 ZELLEFFROW, William Ken; NM

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ABERNATHY, Robert Lloyd; NM
 ACOSTA, Ray; NM

AL-ABAYAD, Ali Hassan; NM
 ALBALAWI, Ibrahim Khamis; TX
 ALBERT, Bradley J.; AZ
 ALEJO, Larry Wayne; NM
 AL-EMRAN, Fahad Hassan; NM
 AL-KHALIFAH, Kamal Abdullah
 ALUNA, Robert, Jr; NM
 ANAZOLA, Michael Ray; AZ
 ANDERSON, Lee Evan; NM
 APODACA, Carmella Beatrice
 ARCARO, David John; NM
 ASEL, John Edward; NM
 AUSTIN, Thomas Wayne; NM
 BARKESHEH, Mohammad Nasser; MI
 BARNES, Charles Allen; NM
 BARRIOS, Joe Anthony; NM
 BENAVIDEZ, Ben Raymond; TX
 BENEDICT, Joseph Mark; NM
 BICHER, Carol Anne; CO
 BIGBEE, Beth Burchard; NM
 BIGGS, David Lance; OK
 BLAKESLEE, Bruce Lynn; CO
 BLANTON, Allen Duane; NM
 BORGSMANN, Russell Alan; NM
 BRADLEY, Patrick Louis; NM
 BRECHHEISEN, Michael Dee; TX
 BRENT, Daniel Rex; FL
 BRININSTOOL, Phillip J.; CT
 BROWN, Jerry Robert; NM
 BULLARD, Tom C.; NM
 BUNKER, Bruce Wayne; NM
 BURSUM, Holm Olaf, IV; CA
 BUSTAMANTE, Debra Joan; NM
 BUTLER, Walt Isaac; TX
 CAMUNEZ, Gary William; FL
 CARRILLO, Ana Rosa Adame; NM
 CASEBOLT, Jerry Keith; AZ
 CASEY, John E.; CO
 CASTANEDA, George; CA
 CASTLE, Ann Robbins; WA
 CATANACH, Steve John; NM
 CATHEY, Mike Kent; NM
 CHACON, Juan Ricardo; TX
 CHAO, Yu-Hsing
 CHAVEZ, Ildefonso C.; AZ
 CHAVEZ, Raymond Albert; NM
 CLARK, Richard C.; NM
 CLARK, V. Allen; TX
 COCHRAN, John Russell; NM
 COFFEY, Kevin Francis; CA
 CONSTANTAKIS, Robert L.; CA
 COONS, Lawrence Michael; NM
 CORREIA, Osborne John; NM
 COUCHMAN, Deborah Dawn; TX
 CREEGAN, Elizabeth Mills; WY
 CROCKETT, Randy E.; NM
 DARNELL, Rebecca Ann; NM
 DAVIS, Daniel Lynn; NM
 DAVIS, Douglas Lee; AZ
 DAVIS, Gary Lynn; AZ
 DAY, Mitchell; NM
 DEL FRATE, Monica Therese; TX
 DINE, Elizabeth Ann; NM
 DOURTE, Richard Harley; NM
 DOWNING, David Robert; WA
 DOYLE, Vickie Lynn; CA
 DUARTE, Carlos; NM
 DUARTE, Jesus E.; NY
 DUGAS, Jay Bradley; TX
 EASON, Michael Warren; OK
 ELAM, Julie Ann; NM
 ENGLAND, Rebecca Lee; NM
 ESQUIBEL, Jerry E.; NM
 EVARTS, Richard Scott; NM
 EVERETT, Brad Lee; NM
 FANNING, Ross Layne; TX
 FLOYD, Dennis Wiley; TX
 FLORESTIER-MERCAD, Lilibia E
 FOSTER, Juliet Elise; AZ
 FREDERICK, Bobby Joe; OH
 FREW, Dean Lee; TX
 FULFUR, Gregory Hugh; NM
 GALLEGOS, Anthony L.; NM
 GARCIA, Alonzo T.; NM
 GARCIA, Daniel Ramsdale; TX
 GARCIA, Elias Saenz; NM
 GERARDO, Ernesto, Jr; TX
 GERMAN, Mark Steven; AZ
 GIPSON, Jonathan H.; TX
 GOMEZ, Andrew Myer; NM
 GOODING, Jeffery John; CA
 GORMAN, David Reeves; NM
 GORMLEY, Timothy Michael; CA
 GRANADO, Margarita; TX
 GRIEGO, Edwin Vincent; NM
 GRISWOLD, Robert Michael; TX
 GRONWALD, Patrick Jeffrey; NM
 GUILLEN, Jose Luis Leyva; TX
 GUILLEN, Ricardo; AZ
 HACKER, William Lee; NM
 HALEY, Todd Randall; NM
 HAMILTON, Diane Daukic; CO
 HAMPSON, Kenneth Alan, Jr; CA
 HAMRICK, Daniel Richard; NM
 HANLON, Michael Joseph; TX
 HARDISTY, Dennis Dan; NM
 HARRIS, Marc Farrell; NM
 HARSHBARGER, Jeanne Walden; CA
 HARSHBARGER, Robert Hugh; CA
 HARTNETT, Fred J.; TX
 HEDJAZI, Abbas Seyed; PA
 HENDERSON, Daniel James; NM
 HENRY, Laura Marie; CO
 HICKMAN, John Thomas; NM
 HICKS, Debra Pettigrew; NM

HICKS, Dwain Alan; TX
 HICKS, William Moore, II; NM
 HINCKLEY, Jon Eric; NM
 HINOJOS, Maria Astorga; NM
 HOLGUIN, Arturo; TX
 HOLGUIN, Ray Andra; NM
 HOLGUIN, Ricardo Chaparro; NM
 HOLMAN, Clifton Ray; NM
 HOOSER, Michael Duane; NM
 HOOTEN, David T.; NM
 HORAN, Stephen John; NM
 HUSEIN, Khaled Tawfiq; NY
 HUSLIG, Alan David; NM
 HUSTON, Craig Douglas; AZ
 JACOBS, Keith Alan; NJ
 JACQUES, Frank Lopez, Jr; TX
 JEFFERS, Loree Ulrich; TX
 JEFFRIES, Angela C. Van Wey; CO
 JELLYSON, James Joseph; AZ
 JENSEN, Daniel Brian; FL
 JOHNSON, Michael D.; NM
 JOHNSTON, John Richard; CA
 JONES, Joseph Anthony; NM
 JONES, Thomas Edward; CO
 JURGENSEN, Glenn Christian; NM
 KANBAR, Sertli Ali
 KEDDY, Michael D.; PA
 KENNON, Brian Paul; WA
 KERCHER, Charles E.; TX
 KERNAGHAN, William Henry; TX
 KIM, Brian; GA
 KING, Adrian Sol; NM
 KIRK, Jeffrey Paul; TX
 KLAMERUS, James Michael; NM
 KOZLOWSKI, David Michael; NM
 KUTAC, Chris J.; NM
 LASHWAY, Cline Elton; NM
 LE DOUX, Mark E.; NM
 LEE, Zane Earl; TX
 LINDER, Matthew H.; AZ
 LOCKETT, David Allen; CA
 LOHBECK, Robert D.; CA
 LONG, Robert Jimenez; CA
 LOPEZ, Manuel Morales; NM
 LOPEZ, Michael Anthony; AZ
 LORANG, William Gregory; AZ
 LOUIE, Edward; AZ
 LOW, Mee Fog
 LUDWINSKI, Donna Marie; CA
 LUDWINSKI, Paul Anthony; CA
 LUJAN, Ernestine; WA
 LUJAN, Peter Michael; NM
 LYON, Steven Michael; LA
 MACHADO, Francine S. Vigil; NM
 MAESTAS, Joseph Harold; NM
 MAEZ, Paul Edward; TX
 MAHONEY, Brad Lee; MI
 MAIN, Frank Norman; NM
 MARMOLEJO, Jesus Alfonso; NM
 MARQUEZ, Joe Angel; NM
 MARTINEZ, Benny Espinoza; NM
 MARTINEZ, Carlos Franco; NM
 MARTINEZ, Edward H.; NM
 MARTINEZ, Hector M.; NM
 MARTINEZ, Manuel Brito, Jr; NM
 MARTINEZ, Ruben Francisco; NM
 MASCHOFF, Eric Leon; AZ
 MASSEY, Robert Daniel; MN
 MC FADDEN, Danny Sean; NV
 MC MINN, Barbara J.; AZ
 MELVIN, James Justin; NM
 MESSER, Dion; TX
 MEYERS, David Scott; NM
 MIGNARDOT, Henry; NM
 MILLER, Perry Dear; WA
 MINOR, Thomas Alan; NM
 MITCHELL, William Charles; NM
 MONTAGUE, Stephen; NM
 MONTANO, Kenneth Lee; NM
 MONTOYA, Elfege Joseph; NM
 MOORE, Phillip; NM
 MORA, Manuel Bernardo; TX
 MOYER, Curtis Lee; AZ
 NELSON, Scott Dwain; NM
 NEVINS, Michael D.; NM
 OBERG, Troy Ernest; AZ
 ODELL, Karen Allene; NM
 OKAFOR, Anthony C. Nwafor; TX
 OMS, Elizabeth Jordan; NM
 ORTIZ, Marc Richard; NM
 OWEN, David Garry; NM
 PACHECO, David John; NM
 PACHECO, Johnny; NM
 PADILLA, Richard S., Jr; NM
 PADILLA, Victor Manuel; TX
 PAULSEN, Gunnar Phillip; NM
 PAZ, Jerry B.; NM
 PEAY, Kent Decon; TN
 PENA, Vincent F.; NM
 PEREZ, Danny Paz; NM
 PERKINS, David Earl; NM
 PERRY, Todd Alan; CA
 PETERSON, Tracy Clive; NM
 PHELAN, Michael David; TX
 POLANCO, David Gregory; NM
 PRIESTLEY, Thomas Vernon; NM
 QUINONES, Andrew R.; NM
 RAMSEY, Darrell Lynn; NM
 RANKIN, Catherine Ann; NM
 RAY, David Fred; TX
 REBIAN, Saad Ali
 REDDY, Barbara Patterson; TX
 REDDY, David Roy; TX
 REITER, Arthur Michael; NM
 REYES, Luis Armando; NM
 REYNAUD, Raymond Jack, Jr; NM
 REYNOLDS, Richard John; NM

RIBAIL, David Joseph; TX
 RICHMEYER, Timothy John; FL
 RIDER, Jonathan Paul; WA
 RIOS, Luis Chavira; NM
 RIVERA, Jorge Angel; NM
 ROBERTS, Kymn Ray; TX
 ROBINSON, James Douglas; AZ
 ROESSLER, Fritz Joseph; NM
 ROGERS, James Clark; NM
 ROMERO, Albert Manuel; NM
 SAKKIJA, Mohammad Mamdouh; AZ
 SALAZAR, Bernabe L.; NM
 SANCHEZ, Domingo, III; NM
 SANCHEZ, Edward Roy; NM
 SAUNEN, Jill Domina; CA
 SCHAFFER, Kristopher Todd; NM
 SCHAFFER, Steven M.; NM
 SCHULTHEIS, Steven Michael; TX
 SEAGRAVES, William Robert; CA
 SEIGER, Andrew D.; TX
 SEXTON, Robert Charles; TX
 SHIELDS, James Clifford; NM
 SHORT, Paul; NM
 SILVA, Gustavo Felipe; TX
 SIMON, David Michael; UT
 SKAGGS, Timothy Michael; NM
 SKALENDA, William Francis; TX
 SLUSHER, Dawn Christine; NM
 SMITH, David A.; NM
 SMITH, Jeffrey Alan; NM
 SMITH, Michael Lowell; NM
 SMITH, Richard Nathan; NM
 SOLIZ, Gustavo Garcia; NM
 SORIANO, Daniel Reuben; NM
 SPIERS, Christopher W.; TX
 SPRAGGINS, Sandra Anne; AZ
 STALEY, Bradley E. Roberts; AZ
 STIGERS, William Dudgeon; CA
 STINEBAUGH, Russell Eugene; TX
 STOREY, David Martin; NM
 STRONG, David Scott; NM
 SUTER, Kevin Joseph; NM
 SUTTON, William Bruce; NM
 TACHAU, Robert Mazur; NM
 TRUJILLO, David Julian; NM
 TRUJILLO, Marie Annette; NM
 TRUJILLO, Mark; NM
 TRUJILLO, Mark Abel; CO
 TYREE, Norman Gerald, Jr; NM
 ULIBARRI, Michael David; NM
 VIGIL, Michael Lawrence; NM
 VIRAMONTES, Michael Steven; NM
 WARD, Catherine D.; NM
 WATKINS, William Austin; NM
 WAUGH, Gregory Theodore; NM
 WEITZEL, Roger Steven; NM
 WESLEY, Kerry S.; CA
 WETHERALD, Mark Lyle; CA
 WHITFORD, Steven Karl; AZ
 WILLIAMMEE, Richard Steele, Jr; TX
 WILLIAMS, Roy Mack; SC
 WITTHAUER, Peter T.; NM
 WYLLIE, James Alan; SC
 ZABST, Richard Harry; NV

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ABEYTA, Leon A.; AZ
 ABEYTA, Oliver Andrew; NM
 AGUILAR, Tom F.; TX
 AKINS, Karen Marie; NM
 AL-KHALIFA, Youssif A.
 AL-TURKEY, Ali; NM
 ANDERSON, Sandra K; MN
 ANGELL, Kelly Ann; NM
 APODACA, Dickie; NM
 ARAGON, Ernest Quesada; NM
 ARMUJO, Anthony; NM
 ARNOLD, Peter Thomas; TX
 ATMEH, Ghassan Antoine; CA
 BACA, Allen G.; NM
 BAGWELL, Edward Carl; NM
 BAKER, Stuart A.; NM
 BARDEN, David Richard; WA
 BECKER, Alvin Ray, Jr; NM
 BEDDOYA, Francis Xavier; TX
 BENNETT, Marc Doyle; TX
 BERRYSTROM, Chad S.; NM
 BERRY, Kenneth Scott; NM
 BISHOP, Darren Lee; CA
 PAULSEN, Beryldine M.; NM
 BLANKINSHIP, Dave Kirk; NM
 BOHNETT, Roy Martin; UT
 BOLIN, Susan Bolton; NM
 BOLIN, William Bradford; TX
 BOND, Alan Joseph; NM
 BOSS, Phillip K.; NM
 BRANDT, Shari Jean; CO
 BRILEY, Joseph Henry; NM
 BRININSTOOL, Mary C. Gillette; CT
 BRINKLEY, Timothy John; OH
 BROLINE, Leonard Collis; CO
 BROWN, Ray Allan; AZ
 BROWNING, Jeanette Valerie; NM
 BUFFETT, Douglas M.; WA
 BURESH, Robert Louie; AZ
 BYRES, Gregory Donald; NM
 CAHOON, Joel Eugene; AR
 CAMPBELL, Christopher J.; TX
 CAMPOS, Hector J.; NM
 CARDEN, Lindie Rebecca; NM

CARRERAS, Larry Atencio; AZ
 CARRILLO, Michael Lenard; TX
 CARVER, Albrecht E.; NM
 CASTILLO, James Peter; NM
 CATANACH, Elaine Danette; NM
 CATANACH, Steve D.; NM
 CHAGNON, Alan Patrick; NM
 CHAPA, Jose Gerardo; NC
 CHAVEZ, Michelle D.; NM
 CHAVEZ, Vincent F.; NM
 CHEMWENO, Paul Kipkurui
 CHOUDHURY, Akm Alamgir; NM
 COLE, Ross Wayne; FL
 COLLIER, Kandi D.; NM
 COLLING, James Bruce; IL
 CORDOVA, Gerald Patrick; NM
 CORDOVA, Randy Anthony; NM
 CORDOVA-MOLL, Judy L.; CA
 CORRAL, Raymond Vega; TX
 COVER, Rex N.; NM
 COWAN, Shelia Kaye; NM
 COWAN, Tyrone Max; NM
 COX, Michael Dale; NM
 CRAWFORD, Kevin Lee; WA
 CRUZ, Richard Robert; FL
 CRUZ-ACOSTA, Kenneth
 Alexander
 CURRY, Alan M.; NM
 CUSENBARY, Philip Randy; NM
 CYRS, Thomas Earl, III; NM
 DAHL, Stacy Lynn; NM
 DAHL, Suzanne Zulka; NM
 DAVENPORT, Robert Mark; NM
 DAVIS, Harry Joseph, II; TX
 DELAPP, John Marsden; NM
 DOLIN, Ronald Micheal; NM
 DOMINSKI, Stanley Stephen, Jr.; NM
 DUARTE, Carlos Manuel; CA
 DUARTE, Raymond Alberto, Jr.; TX
 DUKE, Patricia Henry; AZ
 DUNCAN, Wayne Douglas; NM
 DUNFORD, Steven Osmond; TX
 DUNN, Kevin W.; TX
 ECKLES, Stephen Wayne; TX
 EGGLESTON, Jody Ray; NM
 EIDSON, Gary Gene; TX
 ENDSLEY, John David; OK
 ESQUIBEL, Abel; NM
 ESTES, Troy J.; NM
 FERGUSON, Gregory Lynn; NM
 FETTER, Scott Doty; UT
 FLORES, Mark Anthony; NM
 FLORES, Matthew R.; NM
 FOSTER, Clifton Charles; CA
 FOX, Terry Leroy; NM
 FUNK, Dan Alan; AZ
 GABALDON, Jess R.; CA
 GAINER, Patricia Anne; MD
 GALLAGHER, Andrew Chris; CA
 GALLAWAY, Laura Keck; TX
 GALLEGOS, Anthony Gerard; NV
 GALLEGOS, Bobby Dennis; NM
 GALLEGOS, Cenobio Herbert; NM
 GALLEGOS, Timothy David; MI
 GALLIMORE, Bradford Frank; NM
 GARCIA, John Camillo; NM
 GARCIA, Jolene Ann; NM
 GARCIA, Teodoro Benjamin; NM
 GARDENHIRE, Alan Lee; TX
 GAUGHAN, Edward David; NM
 GIBBS, Douglas Owen; NM
 GILLIS, Robert James; NM
 GILMORE, Morgan Per; CA
 GLASNER, Sharon Lynn; NM
 GOEKE, Ronald Steven; CA
 GOMEZ, Anthony Joseph; NM
 GOMEZ, Ray Anthony; NM
 GONZALES, Daniel; NM
 GONZALES, John Robert; NM
 GRABOWSKI, Frank D., III; TX
 GRANADOS, Daniel Edward; NM
 GRAY, Steven Joe; NM
 GREEN, Jayson Dee; NM
 GREEN, John Randall; NM
 GUNAJI, Mohan V.; NM
 GURNICK, Robert Jeffrey; WA
 GUTIERREZ, David; TX
 GUTIERREZ, Juan; TX
 GUTIERREZ, Walter Thomas; NM
 HAHN, Scott Jay; PA
 HAMILTON, Douglas W.; NM
 HARRIS, Aleta Tinkle; NM
 HARRIS, Charles Jeffrey; NM
 HARTNESS, John Samuel; TX
 HARZEWSKI, Teresa A.; NM
 HEARN, Michael Lee; CO
 HECK, Kevin Michael; NM
 HEGGE, David Paul; NM
 HELTON, Elizabeth M.; CA
 HENDRICKSON, Joel Todd; NM
 HEUER, Gregory Dean; CA
 HIGGINBOTHAM, Charlie Lee, Jr.; AZ
 HISE, Lawson Evans; NM
 HOCKADAY, Robert Glenn; NM
 HOEFT, John David; OH
 HORAN, Shelia Gaunt; NM
 HORST, Mark A.; NM
 HOWARD, Steve Glen; NM
 HUDY, Barry Alfred; NM
 HURD, Susan Lynn; CA
 INAMURA, Junichiro
 INGRAHAM, Gregory M.; MN
 JACOBS, Pat Marty; AZ
 JACOBSON, Mark Edward; AZ
 JACOBY, Kenneth R.; NM

JACQUES, Darlene Marie; NM
 JAEGER, Nancy Collins; CA
 JEFFERS, Shannon Wade; MT
 JOHNSON, David Alan; OR
 JOHNSON, Jeffrey Bryan; NM
 JOHNSON, Stephanie Dee; TX
 KADHEM, Hussain A.; TX
 KAMPSEN, Chris Joel; NM
 KAPSANDOU, Patrick Kurgat
 KARIUKI, Maina
 KATO, Aileen Naranjo; CO
 KENNEDY, Virginia Heidi Beck,
 NM
 KEYES, Garry Doyle; NM
 KIMBELL, Barbara Lee; NM
 KLEEVES, Marilyn Chase; WA
 KOESTERS, James P.; NM
 KOHLER, Steven Andre; CA
 KOHLRUST, Wayne T.; TX
 KOTOVSKY, Wayne Fraser; NM
 KRAMER, John Frederick; NM
 KUNG, Pang-Cheng Joseph; NJ
 LARKIN, Rodney S.; NM
 LAWRENCE, Scott Gregory; NM
 LEE, Mitchell David; NM
 LEONG, David John; NM
 LINDSAY, Barbara Jean; NM
 LIU, Ian-Tan; CA
 LOERA, Eduardo Madrid; CA
 LONG, Karen Sue Habing; NM
 LONG, Timothy Leslie; TX
 LONGENBAUGH, Randy; NM
 LOPEZ, Benjie R.; CA
 LOPEZ, Frank Edward; NM
 LOU, Chih-Ming James; NM
 LOZANO, Ramon A.; NM
 LUCERO, Mark Anthony; AZ
 LUNSFORD, Katherine Price; CO
 LUTZ, Greg E.; AZ
 MACKEY, Gilbert Lee; HI
 MADARASZ, Michael James; MI
 MALTRUD, Steven R.; WA
 MARRUFO, Joe Lawrence; NM
 MARRUJO, Robert Pedraza; GA
 MARTIN, Clarence Edward; NM
 MARTIN, Joel Fredrick; NM
 MARTINEZ, Carlos D.; CO
 MARTINEZ, Frances Au. Garcia;
 NM
 MARTINEZ, Gary Steven; NM
 MARTINEZ, Thomas Morton; NM
 MASCHOFF, Kurt M.; CA
 MC CARTEN, Roger Tracy; NM
 MC GILL, Brian Dale; NM
 MC LAUGHLIN, Norbert William;
 AZ
 MECHENBIER, Jeffrey Raymond;
 OR
 MEDINA, Joseph Ronald; NM
 MEERSCHIEDT, Jim G.; NM
 MELENDEZ, Frank, Jr; TX
 MENA, Francisca Elena; TX
 MENDEZ, George Adrian; AZ
 MICKLER, David Jerome; IN
 MICKLER, Dolia Marie; IN
 MIDDELRAAD, Roland P.; NM
 MIKUS, Kenneth Russell; NM
 MISZKIEL, Mark Edward; NM
 MITCHELL, Pamela Hess; TX
 MONTANO, Cirila Maria; NM
 MONTOYA, Kevin Joseph; VA
 MONTOYA, Marcus Federico; NM
 MONTOYA, Robert Galaz; NM
 MOORE, Carol Margaret; NM
 MORALES, Ernesto Jr.; MA
 MORGAN, Tamara Jackson; NM
 MORRIS, Steven A.; VA
 MOTT, Paul Ward; NM
 MUTCHNIK, Andrew B.; NM
 MYERS, Noah Hathorne; WA
 NAVARRO, Jesus Antonio; AZ
 NEALE, Joseph W.; AZ
 NEILSON, David H.; CA
 NUNEZ, James; NM
 O'BRIEN, Sean Gerard; NM
 OGAZ, Gilbert Adrian; CA
 OGDEN, Kevin Kean; NM
 OLIVAS, Tomas; AZ
 OLMSTED, John Davies; NM
 OLSON, Eric Donald; IL
 OLSON, Erlend M.; CA
 OMAN, Christopher Henry; KS
 OPPON, Samuel A.; PA
 ORTEGA, James Anthony; CA
 OVERSTREET, John Francis; NM
 OWEN, William Wood; WA
 PADILLA, Carlos Gerard; NM
 PARKER, David Bruce; NM
 PARPART, David L.; NM
 PAZ, Robert Alex; TX
 PERALTA, Dennis; NM
 PHILLIPS, Morgan Wendell; NM
 PILLAR, Martin Joseph; NM
 PINA, Ben; NH
 PINSON, Charles T.; NM
 PLANTZ, William Edward; IL
 POLLAT, Scott Lewis; NM
 PORTER, Don Curtis; TX
 POTTER, David Lemuel; MI
 POWELL, Barbara Heard; NM
 PREVOT, Mark Anthony; NM
 PRICE, David Michael; CO
 PRIETO, David Bustamante; CA
 PRINGLE, Maribel Marquez; GA
 PROVIUE, John M.; TX
 PRUITT, Ralph Tye; NM
 RATJE, James Paul; NM
 READER, Garth E.; UT

REAGAN, Lewis Allan; CA
 REID, Raymond L.; TX
 RICE, Thomas Maddox; NM
 RICHARDSON, Jill Alexandra; NM
 RIOS, Richard; NM
 RIVAS, Robert D.; CA
 ROBERTS, Howard Doyle; TX
 RODDY, Kyle Wayne; CA
 RODRIGUEZ, Javier; TX
 ROMERO, John R.; NM
 ROMERO, Leroy G.; NM
 ROSALES, Oscar A.; TX
 ROSS, Charles J.; AZ
 ROSTA, Mark Henry; TX
 ROTH, Tim Brian; CA
 ROUSE, Kelly Margaret; AZ
 ROY, William Arthur; VA
 RUHE, Thomas Wayne; NC
 SACHS, Robert Benedict; CA
 SALAS, Steve A.; CA
 SALAZAR, Martha Elizabeth; TX
 SALINAS, Jose Alejandro; NM
 SANCHEZ, John H.; NM
 SANCHEZ, Kim Ann; NM
 SANCHEZ, Melvin George; CA
 SANDOVAL, Leonard Ramon; NM
 SCHAFFER, Angela VanWagoner;
 NM
 SCHNETZER, Michel Wayne; CO
 SCHWANER, Brian James; NM
 SCOTT, Lewis; NM
 SCOTT, Steven Lee; CA
 SELLS, Jimmy Wayne; NM
 SERRANO, Ramon Joseph; NM
 SHANKS, Richard Wayne; IL
 SHARP, Sandra Lee; NM
 SHING, Patrick Lai-Ming; NM
 SHOUN, Yiping Thomas; CA
 SIMMONS, Deborah Gail; TX
 SIMON, Roger Edward; NM
 SIMS, George E., II; NY
 SITZBERGER, Karl Joseph; TX
 SKAGGS-BUCKEL, Cheryl A.; WA
 SKAGGS-LOCKWOOD, Teresa;
 AZ
 SKEVINGTON, Craig Richard; NY
 SMALL, Donald Mark; NM
 SMALL, Martin Jay; NM
 SMITH, Jean H.; NM
 SMITH, Randall Bradford; NM
 SOLANO, Ted M.; NM
 STAGGS, James William; AL
 STAHMANN, Sally Anne; NM
 STANLEY, Linda Sue; TX
 STONE, Timothy Amos; NM
 STOUT, Craig Allen; NJ
 STUART, Sam Gunther; NM
 SULLIVAN, Edward Joseph; NM
 SWAFFORD, Charles Edward; NM
 TEEL, John Melcom; NM
 TELLES, David D.; NM
 TELLEZ, Enrique Fresquez; NM
 THOMAS, Jeff K.; NM
 THOMAS, Peter J.; NM
 TORNATTA, Paul A., Jr; TX
 TRAEGER, Scott Randall; NJ
 TRUXTON, Stephen Edward; FL
 UNTHANK, John Lewis; AZ
 VAN HOUTEN, Warren Meredith;
 FL
 VARATHAN, Sivaguru
 VILLA, Raul Felix Fior; NM
 VINYARD, Jeffrey Lee; NM
 WABREK, Richard Moscatt; WI
 WALL, Bruce Carl; NM
 WALTERSCHEIDT, Peter R.; NM
 WATHOBI, Kingori
 WATKINS, Todd Anthony; NM
 WELCH, Holly Ann; NM
 WELCH, Timothy Carl; CA
 WEST, Tracy Dorff; CA
 WHALEY, Barbara Ann; TX
 WILBANKS, Douglas Loyd; TX
 WILHELM, Richard M.; WA
 WOLF, Christopher Wade; NM
 WOOD, Roger Benjamin; CO
 WOOLLARD, Bruce Robert; NM
 WU, Chuan-Wei
 WU, Min; CA
 WU, Teh-Hau
 YARBROUGH, Jay R.; TX
 YOUNG, Randy Alan; AZ

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BACA, Larry Joseph; NM
 BARKER, Cleon Harry; NM
 BARKER, Tamara Brantley; OH
 BATES, Timothy Gene; NM
 BAUMGARTNER, Bruce E.; NM
 BENCY, Robert Bryan; NM
 BERNAL, Ricardo R.; NM
 BHALLA, Anil Kumar; CO
 BIEL, Mark Joseph; NM
 BLACK, Maria Elaine; TX
 BLANKENSHIP, Bret A.; NM
 BOETTCHER, Karen Marie; NM
 BOETTCHER, Mark Edward; CO
 BOGLE, Beverly Ann; TX
 BONDS, Stephen Jeffrey; NM
 BOUGHTON, Robert Scott; CA
 BOWYER, Carlton Andrew; NM
 BRADEN, Charles Douglas; NM
 BRAKE, Thomas Leland; NM
 BRISCOE, Kenneth Alan; NM
 BRITT, Kevin Allen; NM
 BROMLEY, David Wayne; NM
 BROOKS, Lawrence D.; CO
 BROOKS, Steve Wyatt; NM
 BROWN, David M.; CA
 BROWN, Laurence E.; NM
 BUCKNER, Edwin G.; NM
 BUERKLE, Mark Christophe; NM
 BURNS, Douglas Edward; MA
 BURNS, Susan Margaret; MA
 CADWALLADER, Curt Blacker;
 NM
 CAHILL, Gerard John, III; TX
 CAMPOS, Maria Socorr Nunez;
 NM
 CANNON, Gregory Scott; NM
 CARDA, Joseph Ray; MN
 CAREY, Roy Henry; TX
 CARLSON, Daniel Jon; CA
 CARRASCO, Ernesto C.; CA
 CARRICA, Vincent Paul; NM
 CARROLL, Vincent Anthony; NM
 CASTILLO, Thomas C.; NM
 CASTILLO, Timmy; CA
 CHAAPEL, Charles Robert; NM
 CHIOU, Wen-Fang; TX
 CHORN, Michael Granville; NM
 CHURCH, Rosina R.; NM
 CHUYATE, Rolena J.; NM
 CLAASSEN, Paul Jay; NM
 COCHRAN, Brad; WY
 COLE, Thomas E.; NM
 COLLIER, Donel Louan; OK
 CONNOR, Michael Lee; CO
 CONNOR, Shari Hanson; CO
 COOK, Gary Wayne; NM
 COOK, Jerry Glenn; NM
 COOK, Paul David; NM
 COOK, Terri Louise; NM
 CORDOVA, Gilbert I.; CA
 CORTEZ, Ricardo B.; NM
 COUTURE, Michael Raoul; NM
 CREED, Joe L.; NM
 DANAIO, Margaret Andriola; NM
 DAVIDSON, Dean Lester; NM
 DE LARUE, Durwin F.; NM
 DE LARUE, Imelda Atencio; NM
 DE LA RUE, Timothy P.; NM
 DE VARGAS, Annette L.; NM
 DE VARGAS, Michael Anthony; NM
 DIEMER, Timothy Herman; CA
 DOSS, Kirk Winston; NM
 DOYAL, Sam Howard; NM
 DUNCAN, Shawn Alan; NM
 DUNLAP, Edwin Kim; NM
 DUNN, Michael Thomas; WA
 EBLER, Michele Nickols; CA
 EGBOM, Charles Steven; NM
 ENGLE, Edward James; IN
 ESSARY, Dale Edwin; NM
 EVANS, Bryan Wallace; NM
 FADDA, Walid Abdall Ibrahim; NM
 FARMER, Ronald A.; SC
 FARNSWORTH, David Harrison;
 WA
 FARRAH, Kevin Bradley; NM
 FASSETT, Doug P.; NM
 FEIT, Randy Paul; NM
 FISHER, Karl Albert; NM
 FLOYD, Robert Lawrence; NM
 FOWLER, Barry Leigh; NM
 FRANTZ, Samuel Christopher; NM
 GALASSINI, John Christophe; AZ
 GALLOWAY, John Dan; NM
 GAMBERALE, Stephen William;
 CA
 GARCIA, Frank Julio; TX
 GARCIA, Manuel Aguero; NM
 GARCIA, Ray Anthony; TX
 GARRETT, Yvette Tabet; NM
 GEIGER, Kevin Todd; TX
 GEORGE, Donald Lee; NM
 GILTON, Anthony Brett; TX
 GOLETA, John Francis; CA
 GOMEZ, Jaime; TX
 GOMEZ, Joanna Felice; NM
 GOMEZ, John Peter; CO
 GONZALES, Donald Ruben; NM
 GONZALES, James Paul; NM
 GOODWIN, Paul Joseph; TX
 GORDON, Robert Ray; NM
 GOULD, Robert Leonard; NM
 GRABMAN, Edward George; CA
 GRACE, Augustine C.; NM
 GRIEGO, Fernando Gabriel; NM
 GRIEGO, Juan Lawrence; NM
 GRIFFIN, John Calvin; NM
 GRJALVA, Sylvia; MD

GROMEK, Christopher; NM
 GRUBBS, Ricky Lynn; NM
 GUBZMAN, Joel Gus; PA
 HAZING, Robert Donald; NM
 HALE, Allen Wayne; NM
 HARPER, Brian Scott; NM
 HARRIS, Dean Ray; NM
 HARRIS, Stacy Eugene; NM
 HARTELL, Harold Bradley; NM
 HASHEMIEH, Mitra; IL
 HASTINGS, Debbie Jean; WI
 HAYES, Bruce Eric; NM
 HEMPHILL, Stephen James; CA
 HENSEL, Edward Charles, Jr; NM
 HERRING, Kathleen Marie; TX
 HOFFMAN, John Morgan; CA
 HOLBROOK, Donald Ray; NM
 HOLGUIN, Luis A.; NM
 HOLMAN, Jennifer Anne; TX
 HOPKINS, Michael Eugene; NM
 HYDE, Anthony Maurice; NM
 HYND, James Lee; NM
 IDRISI, Rola Labban; NM
 ISHAK, Muzlan; NM
 JEMENTE, Jerry Joel; TX
 JERSZ, Michael Frederick; WA
 JOHANNES, William Robert; TX
 JOHNSON, Alvin DeWayne; NM
 JOHNSON, Henry Gene; NM
 JOHNSON, Mark Dana; NM
 KANE, Allison Lea Johnson; TX
 KELLY, Hugh Thomas; TX
 KERNIS, Michael John; PA
 KINDEL, Richard Boone; NM
 KING, David Allen; CO
 KLEIN, John Phillips; MN
 KLEIN, Rita Barraza; KY
 KOKBEK, Mark Alexander; VA
 KOKAL, Andrej; SC
 KOLIKANT, Jacob Y.; NM
 KUROWSKI, Brian Lee; CO
 KURTZ, Robert Carl; NY
 LAHAM, Hanim
 LALE, Robert Bates, III; CO
 LARKIN, Timothy Harold; NM
 LAUGHLIN, Anne Moulds; NV
 LAUGHLIN, Noel Connally; NV
 LEGER, Kevin; AZ
 LETSIE, Mohapi Francis
 LILLY, Daniel P.; NM
 LINDAHL, Gerald L.; IN
 LITTLE, Bert L.; OK
 LITTLEFORD, Scott; NM
 LOCKWOOD, Glenn Blair; TX
 LOPEZ, Thomas Adrian; NM
 LOPEZ, Valerio J.; NM
 LOPEZ, Victor Abbino; NM
 LOZANO, Frank Anthony; NM
 LUCERO, Gerald Dennis; NM
 LUCERO, Jaime Lopez; NM
 LUCERO, Miguel Ybarra; NM
 LUJAN, Carlos Jacobo; WA
 LUJAN, Joseph Andrew; NM
 LUX, Melvin Orville, Jr; NM
 LYNCH, J. Pat; CA
 MAESCHEN, Melvin Victor; NM
 MAESTAS, Jeffery Ernest; TX
 MANER, Randy M.; NM
 MARES, Sam, Jr; NM
 MARMOLEJO, Norma; TX
 MARQUEZ, Robert; NM
 MARTINEZ, Audrey Agatha; NM
 MASON, Charles Edward; CA
 MATTESON, Milton Allen, Jr; NM
 MAUSER, Joseph Martin; CO
 MAXWELL, Thomas; NM
 MC ADAMS, Donald Edward; CA
 MC CLELLAN, Harrell Lee; NM
 MC ENTIRE, Michael Vencen; AZ
 MC FARDEN, Cary Alan; NM
 MC GARRAH, Charles Lamont, Jr;
 NV
 MENDEZ, Jose Rafael; NM
 MICK, Dennis Wyatt; MO
 MILETA, Pete, Jr; NM
 MILLER, Juanita Huff; TX
 MILLIGAN, Michael Farrell; NM
 MISQUEZ, Joseph Edward; NM
 MONSERRATE, Jorge Luis
 MONTGOMERY, William Dowse, II;
 NM
 MONTOYA, John Thomas; NM
 MOON, Eric Dean; AZ
 MORA, Javier; TX
 MORALES, Alma; NM
 MORENO, Lisette; TX
 MUELLER, Robert Steven; TX
 MULLHOLLAND, John Patrick; NM
 MUNSON, Thomas Bryan; NM
 MYER, Thomas Grant; CO
 NAVARRETE, Alfredo Fuentes;
 NM
 NEVAREZ, Richard Julian; WA
 NEWBY, Lane Andrew; AZ
 NEWELL, Russell Dan; TX
 NEWMAN, John Edwin; NM
 NEWMAN, Peter Allen; CO
 NEWTON, Clay Spencer; NM
 OFFLEY, William Charles; NM
 O'HARA, James Francis; NM
 ONEY, Mickey Day; NM
 OREN, John Wesley; GA
 ORLANDO, Lawrence Michael; CA
 ORRANTIA, Roberto Aurelio, Jr;
 NM
 ORTEGA, David Randall; NM
 ORTEGON, Jesus; NM
 ORTIZ, Joseph William; NM

PACHECO, Leroy Nicholas; NM
PALMER, Bradford Hance; NM
PALOMINO, Gabriel; TX
PARKS, Stuart John; AZ
PEREZ, Oscar Antonio; TX
PERRY, Lon Byron; NM
PETERSON, Donald Anthony; TX
PETTIGREW, Randall Thomas; CA
PETTIT, Joseph Randall; NM
PFEIFFER, Richard Scott; NM
PIORKOWSKI, Kenneth Martin;
NM
PLESE, Michael L.H.; NJ
POKRYSKA, Mark Evan; NJ
PROVENCIO, Gerardo Epifanio;
NM
QUINTANA, Alvin L.; CA
QUINTANAR, Gerard Joseph; NM
RADESEVICH, Eric James; NM
RAEL, Raimund Joseph; NM
RAMIREZ, Denise Ann; NM
RANKIN, Randy Ray; NM
REITMAN, William Henry; TX
RENDEIRO, Joao Carlos
REOME, Mark Loren; NM
REYES, Loretta Marie; CA
RICHARDSON, Donna Hayden; AZ
RICHARDSON, Robert Kurt; NM
RIGHTLEY, Gina Sada; NM
RIGHTLEY, Michael Joseph; NM
RIOS, Rinaldo, Jr; NM
RIVERA, Cynthia E. Griego; NM
ROMERO, David Michael; NM
ROMERO, Edith Elaine; NM
ROMERO, Samuel Frederick; NM
ROMERO, Steve Garcia; VA
ROSBOROUGH, Mark Allen; NM
ROSENTHAL, Andrew Lewis; NM
ROSS, Timothy James; CA
SACHS, Karen Elaine; NM
SAINZ, David Benjamin; NM
SANCHEZ, Manuel Raul; NM
SANTISTEVAN, Bernadine Ann;
NM
SAPLIN, Steven Kyle; MS
SCHUPPERT, Andrew J.; NM
SCHWANER, Deborah Temer; NM
SHANNON, Timothy Joseph; VA
SILAGO, Jeffrey Wayne; NM
SILVA, Patricia Ann; NM
SISNEROS, John Anthony; NM
SKALENDA, Laurie Ann; TX
SMITH, Brian Timothy; NM
SMITH, Delon; NM
SMITH, Robert David; AZ
SMORYNSKI, Ronald Victor; NM
SORENSEN, Todd Arney; NM
STEINHOFF, Cheryl Ann; WA
STEPHENSON, Randall M.; CA
STEVENS, Elizabeth Maria; CA
STEVENS, Thaddeus Casimir; NM
SUMMERS, Kenneth Lee; NM
SWARTZ, Ari Ben; NM
TAFOYA, Albert Leroy; NM
TATARIAN, Mark Daniel; OK
TELLEZ, Gilbert T.; NM
TOELAND, Michael Thomas; MI
TORREZ, Samuel L.; NM
TRAINA, Christopher Leonard; NY
TREVINO, Martin; NM
TRUJILLO, J. Antonio; NM
TRUJILLO, Johann Thomas; NM
TRUJILLO, Julian Robert; NM
TUCKER, Thomas Kent; NM
VAEZI, Najmeddin; NM
VAIL, Christina Scully; TX
VAIL, Neal Kent; TX
VALDEZ, Ivan Benedict; NY
VALERIO, Andrew Michael; NM
VEITCH, Thomas Anthony; NM
VERPLOGH, John Thomas; NM
VILLALOBOS, Rigoberto Yanez;
NM
VILVEN, Steven Mark; NM
WALHOOD, David Grant; WA
WALKER, Donald Paul; NM
WARESBACK, Layne Loren; NM
WEMPLE, Jeffrey Allen; NM
WHITAKER, Charles McCormick;
CA
WHITAKER, James Douglas; VA
WHITE, Billy Sam; TX
WILLIAMS, Daniel Scott; NM
WITT, Don Earl; AZ
WONG, Ying Yu, III; CA
WOODALL, Stephen Paul; NM
WOODBURY, Dene Mary; NM
WRASMAN, Duane P.; NM
WRIGHT, Charles Roy; OH
WRIGHT, David Scott; WA
WRIGHT, Randall Lynn; NM
YOHAN, Steven Kenneth; TX
YOUNG, David Beecher; NM

1987

ABD KARIM, Mohamad Noor
ABDULLAH, Aishah
ABDULLAH, Muhamad Zaki
ABDULLAH, Sabri
ABU BAKAR, Zaimi
ADCOCK, Charles Alfred; NM
AEDA, Osama Ghalib; TX
AGUILAR, Luis Gerardo; TX
AGUILAR, Rafael; NM
ALARID, Ralph Gregory; NM

ALLEN, John Patrick; NM
AL-NOWAISHI, Khalid Khalifa; TX
AL-SALEH, Saleh Fahad; TX
ALTAMIRANO, Paul Michael; TX
ANBOUBA, Fadi; NM
ANDERSON, Louis Christophe; UT
ANDRESS, Gregory Paul; TX
ANTOSIK, Roman; NM
ARCARO, Mike Angelo; NM
ARGERES, Stacey Ann; NM
BACA, Albert O.; NM
BACA, Jimmy Santiago; NM
BALLEN, Brian Thomas; NM
BALTENSBERGER, Carl Manz;
MA
BARNES, David Lyle; NM
BARNETT, Daniel Arthur; NM
BARSHOP, Paul Henry; CA
BAUER, John Joseph, Jr; IL
BEAIRSTO, Chris Thomas; NM
BEDELL, Roger Glen, Jr; WA
BENZIE V, James; CA
BHALLA, Sunit Kumar; NM
BICHER, William Nourse; NM
BINGHAM, Dwight Hemenway; NM
BLEA, Daniel Arthur; NM
BLTYHE, John P.; CO
BOBADILLA, Laura Elena; NM
BONDS, James Kevin; MD
BOWLBY, Karen Louise; NM
BRADY, Michael John; WA
BRESHEARS, John Edward; NM
BREWER, James Joseph; NM
BRIGGS, Timothy Buford; NM
BROCKWELL, Larry Brent; NM
BROWN, Dodson Blake; NM
BROWN, Michael Elliott; NM
BUCK, Robert Charles, II; NM
BULL, Stephen M.; NY
BURNS, Stacy Edward; NM
BUSHMAN, Jacques Decker; NM
BYRD, Karl C.; NM
CALKINS, Gilbert Wayne, Jr; NM
CAMPOS, Gabriel Joseph; NM
CAMUNEZ, Kirk Matthew; TX
CARIAN, Amanda R.; CO
CARRILLO, Bernardino; NM
CHACON, Druana; CA
CHARLTON, Malcolm Scott; CA
CHAVARRIA, John Paul; NM
CHAVEZ, Alfredo Eduardo
CHAVEZ, Fernando; NM
CHAVEZ, Kenneth Vincent; NM
CHAVEZ, Yvaughn Victoria; NM
CHOU, Ping-Yao; NM
CHOWDHURY, Erik; TX
CLAGHORN, Kathy Lorraine; NM
CLARENCE, Terrell David; NM
CLOUSER, William Sands, Jr; NM
CONNELLY, Michael Lawrence;
AZ
CONNOR, John Michael; CO
CONNOR, Richard William; CO
COOKE, Read Stephen; NM
CORR, Michael J.; WA
CORT, Robert M.; NM
COX, Debra Morris; NV
CREEGAN, Edward D.; NM
CRESTANI, Matthew Angelo; TX
CRILLY, Paul Benjamin; PA
CROSBY, Bryan Wayne; NM
CULPEPPER, Robert Lee; NM
CURRY, Berry Layne; NM
DANIEL, James Allen; NM
DANIEL, Patrick; FL
D'AREZZO, Robert; NM
DAUGHERTY, Angela Lorraine;
NM
DAVIES, Bryan Russell; TX
DAWSON, Lon Andrew; SC
DEAN, Terry Alan; NM
DE LA CRUZ, Jaime; NM
DE LA O, Miguel V.; NM
DESMARE, Gabriel William; ID
DEVERS, Daniel S.; NM
DICKERSON, Robert Gene; NM
DOBSON, Timothy Patrick; NM
DOMINGUEZ, Thomas Anthony;
NM
DONHAM, Craig Scott; TX
DOUGAL, Michael Kent; TX
DOUGAL, Tonya Shaduck; TX
DRAKE, Daniel F.; NM
DUNSWORTH, Jeff Lynn; NM
DUVALL, Aleta Louise; NM
EDLOU, Samad Mussazadeh; NH
ENGLER, Richard Raymond; NM
ERPENBECK, Stephen Anthony;
NM
ERWIN, Larry Glenn; TX
ESWEIN, Andrew Mark; NM
EUBANKS, James R.; NM
FARRAR, Roger William; NM
FAUX, Ekundayo George; FL
FILER, Eric Paul; WA
FISCHER, Eduard
FLEIG, Jane Ann; NM
FLORES, Jaime Madrid; NM
FOLKMAN, Lars; NM
FOWLIE, Robert Arthur; CA
FREDRICKSON, James Chris; NM
FREYMLER, James Evan; NM
FRY, Julie Kay; NM
FULLER, Charles Michael; NM
GAKLEBOTSE, Barulagany
Reflex
GALLEGOS, James Mathew; NM
GARAY, Frank Joe; NM

GARCIA, Carlos; NM
GARCIA, Joe Abel; NM
GARCIA, Leroy Nestor; NM
GARCIA, Manuel Chavez; NM
GARCIA, Rene T.; NM
GARRISON, Ronald Wayne; MI
GAWRON, Michael James; NM
GILES, Darryl Richie; NY
GILL, Greg Lester; CO
GIOANNINI, Bryan Dean; NM
GIOANNINI, Norma Grijalva; NM
GOAD, Scott Dwight; NM
GOMEZ, Fred C.; NM
GOMEZ, Manuel Herbert; NM
GONZALEZ, Roberta Anne; NM
GRANDE, Steven Robert; NM
GREENE, Darryl Earl; NM
HALLOCK, Michael John, Jr; NM
HAMLETT, Aaron Maurice; TX
HARLAS, Randal Ray; NM
HARY, Charles Frederick; TX
HASAN, Omar M.; NM
HELMSTETLER, Douglas Gene;
NM
HERNANDEZ, Hector Raul; KY
HERRERA, Adrian C.; NM
HIGGINS, Charles Howard; NM
HJ. OTHMAN, Nazrillah Bte
HOGUE, Thomas Gary; NM
HOLTSBERRY, Bryan Leroy; CA
HONARVAR, Basseer John; NM
HOUSE, Steven Michael; AZ
HOYLE, Karl Vine; NM
HUDRY, Wayne Richard; NM
HUDSON, William Bruce; NM
HUNTING, Chadd Lyle; CA
HURLBUT, Brett Wesson; AZ
HUSMAN, Eric John; NM
HYLAND, Lawrence William; NM
IGLESIAS, Evelyn Sue; NM
ITANI, Mounir A.; NM
JACOBY, James William; NM
JAMAEI, Michael A.; NM
JA'OUNI, Muhammad Amjad; AZ
JARAMILLO, Michael Ralph; NM
JARPE, Geoffrey Paul; TX
JOHNSON, Tracy H.; NM
JOJOLA, Bernard Kenneth; NM
JORAT, Saeed Mohammad; NM
KANNADY, Kyle; NM
KAST, Brian Asa; NM
KEDDY, Christopher Paul; NM
KENDALL, John David; NM
KERCHER, Todd Alan; TX
KIDD, David Edward; TX
KILLIP, Kristine Ford; FL
KINCHEN, Gary Wayne; NM
KLEINE, James Daryl; NM
KOMMER, Carlos Adolfo; NM
KRUEZEL, Frederick J., II; CA
LANE, Greg David; NM
LANTZ, Dale Byron; NM
LARA, Jaime R.; MA
LASATER, Tracy Joel; NM
LEE, Lester Ray; NM
LEE, Thomas Rhodes; IN
LEGARRETA, Eric Wayne; NM
LONGENBAUGH, Cindy Lea; NM
LOPEZ, John Francis; NM
LUCERO, Louise Mercy; NM
LUJAN, Rene; NM
LUNA, Armando; TX
LUNA, Jesus Arturo; CA
MADRID, Clifford Dennis; NM
MAES, Robert G.; NM
MAGEE, Marvin Robert; NM
MANES, Jay Todd; NM
MARCUSSEN, Lynn Craig; CA
MARLIN, David Hattis; NM
MARRS, James August; NM
MARTINE, Cynthia Ann; NY
MARTINEZ, Carl David; NM
MARTINEZ, Walter E.; NM
MARTOS, Luis Arturo; NM
MASANGANIAN, Gladys
MAUSER, Margaret Mary; NM
MC CARTY, Hershell; NM
MC CRAY, Karen Kayne; NM
MC CULLOUGH, David John; NM
MC DONALD, Gary Wade; NM
MC MACKIN, Robert Dee; CA
MC MAHILL, Diane Souza; TX
MD. SHARIF, Rohijas R.
MERRILL, Douglas R.; NM
MILLER, Robert Farrell; NM
MOCK, Ronald Ray; TX
MOHAMMADNEJAD RA,
Mahnood; NM
MOHD NAYAN, Azmi
MOLO, Remegio Suarnaba; NM
MONDRAGON, Richard J.; NM
MONTONA, Bernadette Adele; NM
MONTONA, Derrick Ronald; CO
MONTONA, Lenora Olga; TX
MONTONA, Marko Rodolfo; NM
MONTONA, Michael Anthony; NM
MONTONA, Ray E.; TX
MOONEY, Gwendoly; NM
MOORE, Michael Thomas; TX
MORA, Robert Anthony; NM
MORENO, Alfredo; NM
MURPHY, Richard Daniel; NM
MUTCHNIK, Scott C.; NM
NAMBA, Elaine Mariko; TX
NORBERG, David James; CA
OFFLEY, Mary Horine; NM
OGLE, Terry James; CA
ONG, Jerry Michael; CA

ORTEGA, Diana Elizabeth; NM
ORTIZ, Anthony L.; NM
OTERO, Charlotte Ann; AZ
OTHMAN, Dzulaidin Tasrin
OTTS, Bradley Thomas; MD
OWENS-KITT, Robin Metric; IL
PACHECO, James Edward; NM
PADILLA, Eduardo; TX
PARKER, Ronald Brook; NM
PARRAZ, Denise Danielle; AZ
PAZ, Michael Steven; NM
PEEL, William R.; TX
PETENCIN, Gerald Bradley; NM
PETERSEN, A. K.; NM
PFEIFER, James William; NM
PIETROS, Mussie; NM
PINO, Michael Anthony; NM
POLAGE, Randy Lee; NM
POMPEO, Paul James; NM
PRITCHETT, Michael Leroy; TX
PROVENCIO, Yvette Anne; NM
PUASA, Muhammad Rizal Bin
PUENTES, Ramiro; NM
QUINTANA, Juan N., III; NM
RADACH, Thomas Lawrence; TX
RANKIN, Deanna Lynn; NM
REDDING, David James; NM
REDDING, Steven Curtis; WA
REDMAN, Carl Philip; NM
REID, Christine Rice; TX
REYES, Edwin Jr; NM
RIBAIL, Saul Jacob; TX
RIMBERT, Yvette Carmen; NM
ROBERTSON, Bill A.; AZ
RODRIGUEZ, Andrew Manuel; NM
RODRIGUEZ, Gilbert; TX
RODRIGUEZ, Leroy Robert; NM
ROMERO, Barbara Ann; NM
ROMERO, Patrick Fabian; NM
ROMERO, Phillip Ronald; NM
ROMERO, Vicente Jose; NM
ROPER, Christopher Paul; NM
RUST, Laura Mcspadden; NM
SALAZAR, Jose Luis; NM
SALAZAR, Pamela Marlene; NM
SALAZAR, Raymond Joe; NM
SALEM, Hany Antoine; NY
SANCHEZ, George Martinez; NM
SANCHEZ, Joseph Edward; NM
SANDBERG, Martin Craig; NM
SANDERS, Travis Ray; NM
SANDOVAL, Darryl Phillip; NM
SANDS, John Patrick; NM
SARRACINO, Phillip Donald; NM
SARTORI, Larry Louis; CO
SCHNETZER, Everett Eugene; NM
SCHRAMM, Wayne E.; NM
SCHWEDE, Daniel Carl; NM
SERNA, Gilbert Anthony; NM
SHAARI, Foziah
SHIPLEY, Gary Don; NM
SHORT, Alan Mark; NM
SHROCK, Keith Andrew; AL
SISNEROS, Jeff S.; NM
SISNEROS, Severiano Kard, III;
NM
SITZBERGER, Karen Faye; FL
SKINNER, Carol Denise; NM
SMALL, Catherine Cox; NM
SMALL, Freddy Joe; NM
SMITH, Denise Jo; NM
SMITH, Spencer Timothy; NM
SNIDER, Ken Todd; NM
SOO HOO, Howard Arthur; AL
SPALDING, Matthew Helm; TX
SPEER, Coy R.; TX
SPENCE, Tony Allen; NM
STAUBER, William Paul; NM
STIGERS, Daniel Timothy; NM
STILWELL, Bryan Darrel; AZ
STODDEN, Donald Ray; NM
STOKES, Kris Brian; NM
STOKES, Kyle Robert; NM
TALL, Koreissi Maki; MD
THOMAS, Albert Michael; NM
THOMAS, James Lon, Jr; NM
THOMPSON, Robert Stewart, Jr;
CA
TILLERY, Kevin Ray; NM
TORRES, Vivian Louise; NM
TORREZ, Alfred; AZ
TRAINA, Anthony R.; NM
TROUBLEFIELD, Robert Charles;
CA
TRUJILLO, Arthur Edward, Jr; NM
TRUJILLO, Bernice Ann; NM
TRUJILLO, John Edward; NM
ULIBARRI, Andrew Patrick; NM
UNDERWOOD, Billy Lynn; AZ
URQUHART, Kristopher Scott; CA
VACCARELLA, Robert Peter; TX
VALDEZ, Joanne; NM
VALLE, Michael Joseph; NM
VALLEJOS, David Lee; NM
VAN DYKE, Henry John, III; NJ
VEGA, Victor Allen; NM
VILLALOBOS, John Albert; NM
VON TUNGELN, Kevin Lewis; NM
WAGGONER, Mark Leslie; TX
WAISARA, Nimit; NM
WARD, Jess Lee; NM
WARREN, Russell Neal; WA
WELCH, Vanoy C.; MD
WILDENSTEIN, Kevin Lynn; AZ
WILHELM, Michael Anthony; UT
WOLFE, Timothy Charles; NM
WOODWARD, Clinton Benjamin,
Jr; NM

WOOTEN, Wayne John; TX
WRIGHT, Clifford T.; NM
WRIGHT, Jonathan Craig; NM
YARTO, Enrique Gerardo; TX
YUSOF, Zulkifly Bin
ZAINAL, Zulkainudin Bin
ZERWEKH, John Robert; CA
ZUHRI, A. Rahman

1988

ABEYTA, Andrew Augustine; WA
ABRAMS, Carl Maxwell; AK
ACOSTA, Rafael H.; NM
AGUIRRE, Daniel Stephen; NM
AHMAD, Nasir; DC
AL-AMRI, Abed Mubarak; TX
AL-DHAHRI, Saleh Rajallah; TX
ALEXANDER, Tris Wayne; NM
ALFAOUBI, Mikheed Fadel; NM
AL-HAMED, Hassan A.; NM
ALI, Mir Mohammed; NM
ALI, Mustafa Kamal
ALLEN, Jeffrey Keaton; CO
ALMALLAH, Hussein F.; NM
AL-NASIR, Sameer Mohammed
ALVARADO, Carlos Ramon; NM
ALVAZED, David Saenz; NM
AL-ZAHIRI, Majeed Ahmad; NM
ANDERSON, Melissa Ann; NM
AREND, Kurt L.; CA
ARIAS, Patricia; NM
ARRIETA, Maria R.; NM
AYORRO, Edgardo Ruben; NM
AZIZ, Rofie Aziz Bin; NM
BACA, Dennis Michael; NM
BACA, Herman D.; NM
BACA, Norbert Orlando; NM
BAKER, Thomas Moore; NM
BALDWIN, Rusty Olen; CA
BARRETT, Margaret Ann; NM
BARTOLUCCI, John Anthony; NM
BASSETT, Wendell Evan; NM
BAWAZIR, A. Salim; NM
BEASLEY, Jeffrey Stuart; NM
BELKIN, Peter Casey; NM
BENAVIDEZ, Paula Kay; NM
BENAVIDEZ, Steve Leon; NM
BHAKTA, Pratul H.; NM
BJORGE, John A.; NM
BLACK, Deneen Esther; CO
BLOUGH, Paul Alan; WA
BOHANNON, Karen L.; NM
BRASSELL, Lisa Ann; NM
BRODE, John David; NM
BRUNS, Robert Joseph; TX
BURIANEK, Linda A.; CO
BURNS, Shawn Patrick; NM
BUSTAMANTE-MITCHELL, Veronica
Mitchell; NM
BUTLER, Timothy James; NM
CAMILLO, Roger G.; NM
CAMPBELL, Ann Catherine; CO
CAMPBELL, Jeffrey Scott; NM
CANNON, Aubrey Gene; NM
CARMAN, Keith Vernon; NM
CARMAN, Thomas Martin; NM
CARPENTER, Christopher Manoli;
CO
CARRASCO, Edward Ruben; NM
CAUDLE, William Nicholas; AZ
CIR DE BACA, Monica Renee; AZ
CHAVEZ, Susan Pena; AZ
CHAVEZ, Timothy Alexander; NM
CHECK, Patrick F.; NM
CHIDESTER, Mark Alexander; NM
CHURCHILL, Gregory Scott; CA
CISNEROS, Larry Anthony; NM
COHEN, Thomas Charles; IL
COLE, Brian Douglas; NY
CONCHO, Deanne Marie; NM
CORGAN, Stephen Charles; NM
CORNEILL, Jack Eugene; AZ
COSS, James Fredrick; NM
CRAIG, Diane Half; NM
CRAVATT, Jack Eugene; NM
CRISTO, Phillip Philo; NM
CUNICO, Thomas Shane; NM
DANIEL, William Lindsey; NM
DAVIS, Beth Ann; AL
DEAGUIERO, James Gabriel; NM
DE HOYOS, Daniel D.; NM
DE LA TORRE, Rafael; NM
DELGADO, John Edward; NM
DELPH, Joseph Mauffrey; CO
DEVENDORF, Fritz Moore; AZ
DIMMIE, Gregory Alan; TX
DINSMORE, Ellis Dudley; NM
DOBRAY, Michael Ray; NM
DONART, Dana Duane; NM
DOROUGH, Richard Lewis; NM
DORSEY, Alisia Marie; NM
DOWNS, Michael Robert; CA
DOYLE, Robert Clay; NM
DUARTE, Richard Melendrez; NM
DURAN, Juanita Consuelo; NM
DURAN, Luis Armando; NM
EBLER, Alan Kurt; CA
EL-SHERIF, Samir Fathy
ESPINOSA, Kenny Lee; NM
EUBANKS, Todd Jay; NE
EVANS, Kerry Lee; NM
FEATHER, Bernard Robert; NM
FELKINS, Roger Dean; NM
FERRALEZ, Jaime D.; NM
FERRARI, Lance Eldon; NM

CLASS LIST

FERRARI, Nora A. J.; NM
 FINKNER, Lyle Gene; NM
 FISCHER, Holger Otto; TX
 FLEMING, Richard Walter; LA
 FOIANI, Donald Louis, II; NM
 FONNER, Donald Mark; NJ
 FORREST, Robert G.; NM
 FRAGA, Lisa Christine; NM
 FRAGOSO, Abel Chavez
 FRITZ, Duwayne Lee; NM
 GABALDON, Milton Gerard; CA
 GALLEGOS, Reina Louise; AZ
 GANTICK, Aaron Noel; NM
 GARCIA, Alfredo Chavez; NM
 GARCIA, Cari Kammerer; ID
 GARCIA, Frederick Theodore; NM
 GARCIA, Gabe V.; ID
 GARCIA, Gene Cayetano; NM
 GARCIA, Manuel; NM
 GARCIA, Nicholas Paul; TX
 GARCIA, Santiago; TX
 GARDNER, Earl Dexter
 GAUGHAN, Mary Angela; NM
 GENTRY, Stephen Mark; VA
 GIDNEY, Leonard Ray; NM
 GILBERT, Jeffrey Alan; TX
 GODINA, Victor Manuel; NM
 GONZALES, Debra Ann; NM
 GONZALES, Michael Anthony; NM
 GONZALEZ, Anatolio Jose; NM
 GONZALEZ, William Gilbert; TX
 GOODMAN, Aaron L.; NM
 GOTORA, Paul
 GOWEN, Michael Stan; TX
 GRAVES, Clifford Lester; NM
 GREENLING, Thomas Daniel; NM
 GRIFFIN, John David; NM
 GROAT, John; NM
 GROENEWOLD, Kaven James; CA
 GROOMS, William Edward, Jr; NM
 GROVER, James Wesley; NM
 GUERNSEY, William Lyle; NM
 GUILLEN, Louis Edward; NM
 GUNTHER, Matthew James; NM
 GUTIERREZ, Pablo Joseph; NM
 GUZMAN, Frank Estrada; NM
 HAI, Mwangi Thinji; IL
 HAINES, Daniel Clyde; NM
 HAM, Christopher Von; NM
 HAMILTON, Brent Ray; NM
 HARRELSON, Patrick Lee; NM
 HARRIS, David Gregory; NM
 HARRIS, David James; NM
 HASTINGS, Robert Martin; NM
 HAYS, Michael Brent; NM
 HEAD, James D.; NM
 HELLER, Marian Elizabeth; NM
 HENDON, James R.; NM

HENRY, Corwyn D.; NM
 HENRY, Frank; TX
 HERNANDEZ, Eddie F.; NM
 HERRERA, Sandra Nadine; AZ
 HOFFMAN, Heather Lea; CO
 HOLGUIN, Luis Jaime; NM
 HOLLABAUGH, Craig Allen; CA
 HOLLAND, Tim William; AZ
 HOLT, Roger Eugene; NM
 HOOK, Patrick H.; TX
 HSU, Albert Hsueh-Li; NM
 HUSLIG, Lisa Marie; NM
 HULET, Lynn Lavon; NM
 HUTCHINSON, Scott Alan; NM
 HYNEMAN, Walter Frederick; NM
 IRSHID, Abdelwahab Adel; TX
 IRWIN, John Patrick; NM
 JACKSON, R. Reed, Jr; NM
 JACQUEZ, Yvette Anna-Marie; CA
 JAMALUDIN, Khirul Salleh
 JAMSHID BEYGI, Mehdi; TX
 JAQUES, Lawrence Daniel; NM
 JAQUES, Leonard Anthony; NM
 JARAMILLO, Gilbert D.; NM
 JARAMILLO, Harold Bernard; NM
 JASSMANN, Randy John; TX
 JERNIGAN, James David; AZ
 JOFRE, Jaime F.; CA
 JOHNSON, Revery Dean; NM
 JOHNSON, Terence Lynn; AZ
 JONES, Roger Edgar; NM
 KELLENAERS, Daniel R; NM
 KELLEY, Patrick Alan; NM
 KELLY, Lynn Sue; NM
 KHAN, Farid Ahmad; NM
 KHATTAB, Abdul S.; NM
 KINDEL, Barbara Eileen; WA
 KING, Steven David; ID
 KING, William Thomas; LA
 KOLLMAN, David Carl; NM
 KRAKE, James Nygren; VA
 LABRADO, Manuel; CA
 LAMEMAN, Geraldine; NM
 LANDIN, Daniel William; TX
 LANE, Cary Golden; NM
 LAUTERBACH, Kent Kevin; NM
 LEE, Randy Blake; NM
 LEEPER, Michael Allen; NM
 LERUM, Harlan Frederick, II; WA
 LESLIE, Paul Owen; NM
 LEWIS, Charles Edward, II; NM
 LIEBENBERG, Karl Henry; VA
 LINDSEY, M.L.; NM
 LINDSLEY, April Christine; NM
 LINDSLEY, Stephanie Ann; NM
 LIVERMORE, Douglas Lee; NM
 LOEPPKE, Jerrel Todd; TX

LONG, Russel K.; GA
 LOPEZ, Armando V., Jr; NM
 LUCERO, Joseph Frank; NM
 LUJAN, David Arnold; NM
 LUJAN, Patrick Matthew; NM
 MAESTAS, Jose George, Jr; NM
 MANSOUR, Shahin Abdelhamid
 MANSUR, Shaiful Amri; NM
 MARQUEZ, Frank Phillip; NM
 MARQUEZ, Lawrence Richard; NM
 MARSHALL, Paul Eugene; MO
 MARTINEZ, Antonio Jose; CO
 MARTINEZ, Jacqueline Deneen; NM
 MARTINEZ, Joe Eusebio, Jr; NM
 MASCARENAS, Martin Anthony; NM
 MATTHEWS, Charles Edward; NM
 MC CULLOUGH, Paul Joseph; NM
 MEDRANO, Victor; TX
 METZGER, James Walker; CA
 MICHON, Joel Stephen; TX
 MILLER, Jay Gregory; NM
 MISQUEZ, Rudy M.; NM
 MONTES, Ricardo; NM
 MONTOYA, Gerard Anthony; NM
 MONTOYA, Mark M.; FL
 MONTOYA, Victor Joseph; NM
 MORALES, Mary Ruth; NM
 MORALES, Richard Albert; NM
 MORAN, Michael Robert; NM
 MORENO, Rene Rodriguez; NM
 MORRIS, Martin Dane; TX
 MORRIS, Samuel Eugene, Jr; NM
 MOSER, Douglas Christophe; NM
 MOYA, John Anthony; CO
 NABOURS, Kris L.; NM
 NABULSI, Mohammad Saleh; NM
 NELSON, Brian Terry; NM
 NEVAREZ, Frank Vielma; NM
 NOTEBOOM, Rodney Robert; NM
 O'CONNOR, Michael James; CA
 OLIPHANT, Clement
 OLSEN, Richard Scott, Jr; CA
 OLSON, Eric Daniel; WA
 OLSON, Mary-Ann; VA
 ORTEGA, Victor Nunez; NM
 ORTIZ, Luis Melisendo; NM
 OSBORN, John Wendell; NM
 OWENS, Dennis Ray; AZ
 PACHECO, Robert John; NM
 PANNELL, Steven Clay; NM
 PARDINGTON, Chris Todd; NM
 PARSONS, Andrew Jay; TX
 PATTERSON, Freddie Lee; AZ
 PAUL, J. Michael; NM
 PAYNE, Kenneth Wayne; NM
 PECOS, Matilda Stefanie; NM

PEDERSEN, Chris Michael; NV
 PEDRON, Christina Louise; NM
 PEEPLES, Jack Thomas; CO
 PETERSON, Douglas William; NM
 PILLAY, Gautam; TX
 PINO, Thomas Joseph; NM
 PORTER, Dennis Bryan; NM
 POWELL, John Barrett; NM
 PRADO, Raymond Paul; NM
 PREW, Paul Michael; NM
 PRIETO, Alma R.; CA
 PUENTES, Jose Cruz; NM
 QUALLS, Kirby Dwaine; NM
 RAIHL, Phillip Raymond; NM
 RAMIREZ, Francisco Javier; NM
 RAMIREZ, Rick A.; NM
 RAMSEY, Kevin Michael; TX
 RAWOOL, Mohini Waman; NM
 REYES, Orlando; NM
 RHOADES, W. Randall; IA
 RICHARDS, James David; AZ
 RIDDLE, Phillip Owen; TX
 ROCHA, Fernando; TX
 ROMERO, Andy Garcia; TX
 ROMERO, Richard Eugene; NM
 ROSS, Judith Lee; NM
 ROTHSCHILD, Randolph Russell; NM
 RUFF, Derek Alan; NM
 RUVALCABA, Marco Antonio; TX
 SALAS, Chris Edward; NM
 SALAS, Edward Ruben; TX
 SALAZAR, Elias; NM
 SALAZAR, Michael Daniel; NM
 SALAZAR, Stephanie Jeanette; NM
 SALAZAR, Vincent Paul; NM
 SALMAN, Jeff Elliott; NM
 SANCHEZ, Carlos Jorge; NM
 SANCHEZ, James Timothy; NM
 SANCHEZ, Jose Daniel; NM
 SANCHEZ, Juan; NM
 SANCHEZ, Paul Alexander; TX
 SANDOVAL, Donald Leon; NM
 SCARBOROUGH, Eric Lewis; OH
 SCHAFFER, Dawson Michael; NM
 SCHAMAUN, Coene Elaine; NM
 SCHREIBER, David Brent; AZ
 SCHWANTES, Mark Andrew; NM
 SEOUTEWA, Clayton Duanne; NM
 SESSOM, Jerry Wayne; AZ
 SHAULL, Anthony Alan; NM
 SHAW, Thomas Benjamin; NM
 SHEN, Li-Kuo; CA
 SHOFNER, Thomas H., III; NM
 SIGMUND, Lorna Kay; CA
 SMITH, B. Wayne; NM
 SMITH, Christopher Wayne; NM

SMITH, Cloman Dewayne; NM
 SMITH, Patricia Abernathy; NM
 SMITH, Tilmond Wade; NM
 SONG, Da-We; MD
 SORROCHE, Joseph John; NM
 SOULON, Ross Edward; NM
 SOWELL, Shane Phillips; TX
 STODDARD, Darilyn Michelle; TX
 SWEDBERG, Heather Ann; NM
 TARANTO, Andre Robert; NM
 TEDFORD, David Allen; NM
 TEEL, Matthew Gary; NM
 TERAN, Martin Saenz; AZ
 TESSIER, Eric Damon; NM
 THORSTED, Gregory Glen; VA
 THUNBORG, Jon Eric; TX
 TILFORD, Mary Ann; AZ
 TORRES, Jorge; NE
 TORRES, Patricia; AZ
 TREWITT, Greg David; NM
 TRUJILLO, Fernando Felipe; NM
 TRUJILLO, Jerry Medrano; NM
 TRUJILLO, Margarita Teresita; NM
 TRUJILLO, Ronald Macias; NM
 TUCKER, Jeffrey Kenneth; NM
 VAIO, Robert William; NM
 VALERIO, Max Eloy; NM
 VEGAL, Michael Thomas; NM
 VEDELER, Erik; VA
 VEGA, Richard Arnold; NM
 VIGIL, Leroy Randall; NM
 VIGIL, Ray Anthony; NM
 WAGGONER, Michael G.; NM
 WALDO, Greg Alan; NM
 WALES, Gery Michael; NM
 WALTERS, Steven Craig; NM
 WEATHERLY, Jon Randolph; CA
 WEBB, Coy Douglas; OR
 WERNER, Kenneth Paul; CO
 WHELAN, Michael Anthony; CA
 WHITAKER, William David; OK
 WHITING, Karl William; NM
 WIDMOYER, Timothy Fred; NM
 WILLIAMS, Ronald Everett; CA
 WILLIAMSON, Jill Marie Nissen; NM
 WILLIE, Joann; NM
 WILSON, Robert Leo; AK
 WIRTH, Rachel Marie; CO
 WU, Wen-Jer; MI
 WUNSCH, Thomas Franzen; NM
 YAEGER, Alan Richard; NM
 YASMIN, Kausar; PA
 YOUNG, Roger Phillip; NM
 ZELLEFFROW, James Clinton; LA

GEOGRAPHICAL SECTION

This section lists alumni alphabetically by state and then by city.

ALABAMA

Anniston
TROWSE, Michael John

Athens
MARKER, Lawrence Russell

Auburn
HERRING, Bruce Edgar

Birmingham
ELLINGSON, Rodney L.
KUESTER, Manuel Thaddeus
PAYNE, John Robert

Enterprise
NIMROD, Daniel Warren

Florence
CURRY, Ronald L.

Harvest
ASPREY, Robert Russell

Huntsville
BREWSTER, Linda Camp
BREWSTER, Steve Ronald
CATALDO, Fortunato Frank
CORNING, Harold T.
COVINGTON, Carl H.
COVINGTON, Lorenzo Ross
DAVIS, Beth Ann
EDWARDS, Jerald Allen
ELEGANTE, Frederick L.
HAMILTON, Thomas Kenneth
LEE, Jon Dee
LOMAN, Jack Wallace
NARDELLA, Michael
NIBLETT, James Edward
PIPPIN, William Charles
POHLY, Gregg Millard
RAY, Richard Allan
SAVAGE, Michael F.
SHROCK, Keith Andrew
SMOOT, Edward Bruce
SOO HOO, Howard Arthur
YOUNG, William Thomas

Madison
JOURDAN, Thomas Michael
MIXON, Larry Campen
THIMSEN, Donald Carl

Meridianville
STAGGS, James William

Mobile
CADENA, Ruben Chaparro
MIRES, Gary Elwood

Montgomery
KENT, Richard F.

Sylacauga
HALVERSON, Colin Shelby

ALASKA

Anchorage
DWYRE, Robert G.
FAULK, Clyde Oral
FRANKLIN, Nelson M.
GABBARD, James Lewis
HOGGARD, Calvin Leon
HUFF, Richard Earl
LEGG, Dwane Lynn
LESNIAK, Margaret F. Dixon
MC NAUGHTON, David Alexander
RAINWATER, Douglas Frank
SISSON, Dirk Alexander
SMITH, Harold Dean
WELCH, Gerald Edmond

Bethel
BORREGO, Harold A.

Chugiak
MERCER, Ellis Wellington

Delta Junction
FESMIRE, Philip Scott

Eagle River
ABRAMS, Carl Maxwell
BOGGS, Marion Milner
KHAUSE, Robin Ernest
QUINONES, Alicia Maria
SWEENEY, James Patrick
WILSON, Robert Leo

Fairbanks
DALLAS, Dois D.

Homer
MATTHEWS, Samuel Cephas

Juneau
WOLFE, James Austin

Kotzebue
JONES, Paul Byron

Springdale
MITCHELL, Dee Tim

ARIZONA

Apache Junction
LUCERO, Mark Anthony

Blue
COLEMAN, Kimble

Buckeye
JONES, Travis Hayhurst
MARLEY, Norman Leo

Casa Grande
NICHOLSON, Michael Edward

Chandler
ABEYTA, Leon A.
ACKER, Thomas William
ASHCRAFT, Phillip Lynn
BROWNFIELD, Jay Arthur
BUSH, Michael Davis
BUSH, Stanley Allen
CARLSON, John Paul
CASEBOLT, Jerry Keith
COX, John W.
DAVIS, Douglas Lee
DE SHAZO, Gary Lee
GERMAN, Mark Steven
GOMEZ, Armando
GONZALES, Richard Joseph
HARDENBROOK, Donovan Ray
HUMPHREY, Michael Eugene
JACOBSON, Mark Edward
LUTZ, Greg E.
MEDINA, Frank Joseph
MENDEZ, George Adrian
MENEFE, Stephen Clyde
NAVARRO, Jesus Antonio
RICHARDSON, Donna Hayden
ROUSE, Kelly Margaret
SALINE, Kenny R.
WHITFORD, Steven Karl
WILLIAMS, Glenn Carter

Douglas
CHAMBERS, Charles E.
GLENN, John R.

Eagar
HURLBUT, Brett Wesson

Elgin
DAVISON, Gene E.

Flagstaff
ESCARINO, Patricia Nava
HARDGRAVE, Robert G.
HILL, Gregory Nathan
HUGHEY, Glenn A.

THURMAN, Jack Anthony

Fort Apache
JONES, Frank H.

Gilbert
GONZALEZ, Xavier Hector
PIVONKA, Jacob Donald
SELLERS, John William

Glendale
AVILA, Dennis Louis
BOLDRA, Gary L.
BRESETT, Patrick Robert
COLLINS, Terrance George
EYER, Michael Wayne
FRANQUERO, Ronald Adolph
GENTLE, Phillip Dean
GRANT, Miles Ray
GREGORY, Michael Scott
HANNA, William Edward
HOPKINS, Paul Terry
JONES, Carrie Foust
JONES, Kent Edward
JONES, Robert Eugene
MARTINEZ, Jose Mata
MARTINEZ, Ronald Felix
MC MINN, Barbara J.
MONK, Raymond Charles
PERKINS, Gary Russell
RAINES, Martin Lloyd
RAMPLEY, Gregory P.
RICHART, Craig D.
SANDERS, Charles Herbert
SHELTON, David Gordon
STAHLER, Sabrina Laplante

Goodyear
CORTNEY, Daniel Dennis

Green Valley
BLACK, Joe Bailey

Hereford
QUERY, Gail Dean

Keams Canyon
RICHARDSON, Jack Quincy

Laveen
DAVIET, Leslie L.

Litchfield Park
BOWDEN, Robert Michael
SIEPEL, Ronald Gene

Maricopa
ANDERSON, Charles Brock

Mc Neal
MAGRUDER, Champ Clark

Mesa
ALTUNA, Sidney Louis
BERING, Christopher R
BURESH, Robert Louie
CHAVEZ, Douglas Fermin
COLE, Jerry M.
CORLEY, Watt A.
DEVENDORF, Fritz Moore
DONATI, Robert G.
DUKE, Patricia Henry
EMERSON, Asher Daniel
HILLGER, Dave R.
HOUSE, Steven Michael
JARAMILLO, Vivian Antonio
JERNIGAN, James David
JOHNSON, Terence Lynn
JUSTICE, Marcus Shane
LARSON, Roger Jay
LUCERO, Luis
LUND, Barbara
MARTOS, Frank Valles
MAXWELL, James Howard
MOYER, Curtis Lee
NEALE, Joseph W.
ROSS, Charles J
SHAW, Randall Craig
TAYLOR, Ron J.
TORREZ, Alfred
WALSH, Joseph William
WHITESIDES, Christopher
WISNER, Joel David
WITT, Don Earl

Morenci
GALASSINI, John Christophe

Overgaard
MC CLOSKEY, Steven Dale

Page
HENDERSON, Bob Ray
NELSON, Alan Harris

Payson
MATLOCK, Norman Shelby

Peoria
BHANDHUSAVEE, Choosin
CERICOLA, Robert John
CHARTIER, Everette E.
MEEK, Ronald Wayne
REAY, Dewey Victor
SIERRA, Stanley
TAYLOR, Fredrick Charles
THOMPSON, Richard Roy

Phoenix
ALBERT, Bradley J.
ANDAZOLA, Michael Ray
BAIRD, Avorald L.
BAKER, Peter Burton
BARELA, Alexander R.
BARNETT, Richard D.
BHATTI, Ajit P.
BOWDEN, Becky Diane
BURKET, Hans Werner
BURSON, James Claude
CAMPBELL, Alan Dale
CHAVEZ, Susan Pena
CLARK, Andrew E.
CLOUSE, Bernard A.
CONNELLY, Michael Lawrence
COPLEN, Hugh T.
CORNELL, Jack Eugene
CORTRIGHT, Cheryl Ann Ellard
CRABB, David Hans
DAVIS, John Edward
DDEL, Roger Allen
DOVE, Donald E.
EGGLESTON, Frank Michael
FRANZOY, C. Eugene
GRIER, Steven James
GUILLEN, Ricardo
HAMLIN, Richard Louis
HARRIS, James Dean
HARRIS, John Thomas
HOCKETT, John E.
HORTON, Stanley Keith
HUFFMAN, Donald Wayne
HUSTON, Craig Douglas
ISHAM, Tommy Lynn
JACQUES, Antonio M.
KILIKAS, Panagiotis Errikos
KING, Louis Thayer
KYRIACOPULOS, John C.
LAINE, Roger Alan
LAMBETH, Richard Arlin
LAWSHE, James S.
LOPEZ, Michael Anthony
LUJAN, Ruben Acosta
MACK, Ernest Howard
MC ENDREE, Charles Alvin
MONTROYA, Carlos Blanco
MURRAY, James Ernest
NEWBY, Lane Andrew
OWENS, Dennis Ray
PARKER, Gary Lloyd
PARRAZ, Denise Danielle
REESE, Larry Duane
RIGNEY, Charles Holland
ROBERTSON, Bill A.
RODKEY, Richard Cleon
ROMERO, Gary Timothy
SALAZAR, Obed M.
SESSON, Jerry Wayne
SHINKLE, John Michael
SMITH, Eugene Carl
SMITH, Jerome Carson
SMITH, Robert David
SPRINKLE, Ernest Harold
STANLEY, Paul Arlynn
SWARTZ, Oliver H.
TANKERSLEY, Earl Lynn
TARLOWSKI, Robert Thomas
TORNUST, David Bruce
TURNER, Julian Jordan
WILSON, Andy Tharel
WILSON, Rudolph Andrew
WRIGHT, Glenn R.
YOUNG, Randy Alan

Portal
RICHARDS, James David

Prescott
ALLRED, Dallas C.
LANFORD, Samuel Ford
MURPHY, George Miles

Scottsdale
CLINTON, Michael C.
COOPER, Jimmie D.
DAWSON, Joe E.
EMMETT, Gary Lee
HANSEN, Robert K.
JEFFERS, Patrick David
JENSEN, Robert E.
LEGER, Kevin
LEGER, Richard David
MARKING, Brent Alan
MARTINEZ, Eugene Carlos
MARTINEZ, Jose Baca
MASTERSON, Donald Grant
PRIOSTE, Jerry Ernest
PROUTY, Salem Montgomery
RICKETTS, Colin Jackson
RUSSELL, Charles Sinclair
RUSSELL, Paul E.
SCHNELL, Danny Lee
STULTING, Rex Loyd
STULTING, Roy M.
SULLEN, John C.
THATCHER, Wesley Duane
THOMAS, Roland Everett

Sedona
BRUMMETT, Patrick T.
CONNER, Ira M.

Show Low
JA'OUNI, Muhammad Amjad
LORANG, William Gregory
MURPHY, John Patrick

Sierra Vista
BRAMEL, Edwin Francis
CARRERAS, Larry Atencio
DOUGLAS, Johnny Earl
JACOBS, Pat Marty
LOOS, Robert Wayne
MICHAEL, George Perry
STONE, John Eaton

Springerville
ZETTEL, Peter Anthony

Sun City
EVANS, Raymond George

Sun City West
HERRING, Charles David

Teec Nos Pos
MARQUEZ, Robert Orozco

Tempe
BALL, Kenneth Leslie
BARNARD, Robert Lee
CHAVEZ, Idefonso C.
DAVIS, Gary Lynn
FOSTER, Juliet Elise
FUGIT, Brian B.
GODDARD, Matthew Stewart
HINES, Eldridge D.
IVES, Jonathan Andrew
LASSITER, Honore Dominique
LOGAN, Burl Lamond
LOPEZ, David Eugene
OLIVAS, Tomas
PARKS, Stuart John
POCHOP, Harold James
POWER, Robert Calvin
SAKKIJA, Mohammad Mamdouh
SHILLITO, Carol Scott
SKAGGS-LOCKWOOD, Teresa
STALEY, Bradley E. Roberts
VALDEZ, Patrick
WATSON, John Spencer
WEAR, William Ross
WILDENSTEIN, Kevin Lynn

Tonapah
BENNETT, Benny G.

ARIZONA

Topawa
PAZ, David Edward

Tubac
SHIELDS, Phillip Kinyon

Tucson
ADAMS, Donald Curtis
ALKHAFI, Tariq Amenn
ATKINSON, John H.
AUSTIN, David Steven
BARRERA, Robert M.
BRIGHT, Philip Robert
BRITTAIN, Ann Gary
BROWN, Barry Alan
BROWN, Ray Allan
CANDELARIA, Anthony Ray
CANN, William H.
CLARK, C. W.
COLDIRON, Keith Eugene
CRAGHEAD, James Douglas
CROWELL, Max E.
DANIELS, Frederick J.
DARMITZEL, William Bruce
DAVIS, Noel Dwayne
DE CORSE, Rebecca L. Williams
DICK, Richard L.
DIETRICH, Duane L.
DUNLOP, John H.
DUNN, Glenn Aubrey
DURKIN, Michael Brian
EATON, T. James
EDMONDSON, Samuel Allen
EMERSON, Charles N.
FINCHER, Russell Lee
FLORES, Michael Wayne
FLORES, Richard Allen
FLORES, Victor
FRANKS, George W.
FRY, Scott Milton
FUELL, Gordon Ray
FUUNK, Dan Alan
GALLEGOS, Reina Louise
GARCIA, Aurelio Infante
GILES, Deborah S.
HERRERA, Sandra Nadine
HIGGINOTHAM, Charlie Lee
HOLLAND, Tim William
HUNNICUTT, Robert William
JACKMOND, James Alfred
JACKSON, Charles Herbert
JANES, Clinton C.
KRIM, Jordan Allyn
LE DOUX, David Anthony
LINDER, Matthew H.
LINDSEY, Coy Ernest
LORANG, William Francis
LOUSBERG, Bradley Mark
MAEZ, Paul Edward
MASCHOFF, Eric Leon
MC ENTIRE, Michael Vencan
MC LAUGHLIN, Norbert William
METCALF, Bradley Gene
MILLER, Mark R.
MILLS, Phillip Ray
MODI, Mohit Kumar
MONTMAN, James Henry
MOON, Eric Dean
OLSON, Ronald Allen
OTERO, Charlotte Ann
RAGAN, David Nelson
RATJE, John Robert
READ, David Wayne
REITER, Joseph Stephen
ROBERTSON, Mark D.
ROBINSON, James Douglas
SACHSE, Robert Arlo
SAIZ, Daniel Holguin
SANDFORD, Michael Avery
SCHARFF, Patrick Kay
SCHREIBER, David Brent
SCOTT, Samuel Warren
SHELLEY, Kenneth Ray
SHELLEY, Valerie Anderson
SIMS, Jerry Paul
SMITH, David James
SMITH, Harlo Hahn
SMITH, Paul Dale
STILWELL, Bryan Darrel
STOHR, Rosemary
TANNER, Mary Breyer
TERAN, Martin Saenz
TILFORD, Mary Ann
TORRES, Patricia
TRAEGER, Marc Steven
UNDERWOOD, Billy Lynn
WALLING, Charles W. H.
WARE, Henry Waughop
WECKWERTH, Clyde L.
WHITE, Logan Truman
WIELAND, Norman Eric
WILSON, Jay Lowell
ZESPY, Daniel A.

Tuscon
C DE BACA, Monica Renee
JELLISON, James Joseph
LOUIE, Edward
OBERG, Troy Ernest
RENNE, Bruce Jay
UNTHANK, John Lewis

Vail
MONTGOMERY, Charles E.

Waddell
BROOKEY, Lawrence Dorman
MYER, John Douglas

Whiteriver
ARTHUR, Harris

Wickenburg
MIDDLETON, James Edward

Willcox
HANSON, Robert R.

Yuma
BLACK, Roy W.
ENGLISH, John C.
PATTERSON, Freddie Lee
PRITCHETT, Harold Ray
ROGERS, Richard L.
SIMS, Michael Ray
SIZEMORE, Jimmie Lee
VON SCHOELER, Waldemar
Augustine

ARKANSAS

Blytheville AFB
MADRID, Marcos Jose

Camden
TOGAMI, Joseph R.
TRISOLLINI, Leo Kim

Clarksville
VANDEVEER, John Wesley

Conway
ADLONG, Donald W.

Ei Dorado
KIDWELL, Donald Gene

Fayetteville
CAHOON, Joel Eugene
YOUNG, James Clinton

Ft. Smith
BARROS, Phillip Augustine

Hope
KLIPSCH, Paul Wilbur

Jacksonville
ANDERSEN, John Harold

Jonesboro
HICKEY, Leslie Myron

Little Rock
PHILLIPS, Harold Leon

Mabelvale
HAGAN, Ross Ellis

Nashville
MOERY, William Abbott

North Little Rock
ZIMMERMAN, Richard Lee

Rogers
SMITH, Robert Gordon

Russellville
WRIGHT, Mark Wayne

CALIFORNIA

Acton
CAMARET, Timothy L.
GRAY, Garland Lee

Agoura
TAYLOR, Stephen D.

Agoura Hills
WOOD, Michael Raymond

Alameda
BROOKS, John Mark
BURNS, Dennis R.
OSANTOWSKI, Keith Leslie

Alhambra
HSIEH, Jen T.
SHEN, Li-Kuo

Alpine
LUKENS, David Roderick

Alta Loma
LOVITT, Virgil Ladell

Anaheim
CARBINE, Dennis D.
ENGLER, Roger E.
MAPES, Carl E.
SEXTON, Archie Francis
TEIPE, William Austin
WOLKOWICZ, Robert Edward

APO San Francisco
BIERCK, William Jay
CONSTANTINE, John Thomas
LATOURETTE, Robert William
MILLER, Russell Garfield
NERESON, Kenneth Eugene

APO San Francisco
DOLLY, Richard Eugene
FISHER, Ronnie W.

Apple Valley
DE BENEDICTIS, William Alfonso

Aptos
BARE, Harold Z.

Arcadia
RHODES, Don Edward
SANDIFORD, Robert Eugene
TAUSWORTHE, Robert Clem

Arcata
BOULER, Valerie L. Andres

Arnold
PETERSON, John Robert

Atherton
FLORES, Richard A.

Atwater
DAVIS, James N.

Auburn
AUSTIN, William V.
COADY, Phillip

Augusta
FOSTER, Clifton Charles

Bakersfield
ALEXANDER, Steve Lorrel
CUNNINGHAM, Dale J.
KERBY, Cheryl Lett
KERBY, Ronald Dean
MC WILLIAMS, Mike
MILLER, Jackie Ray
MIRON, Richard Lawrence
MOORE, Arthur Lee
WILLIAMS, William Russell

Balboa Island
SINGLETON, William Francis

Baldwin Park
REYES, Loretta Marie

Bell
GEIBEL, Fred P.

Bell Canyon
DICKSON, Richard Deem

Bellflower
FONOONI, Akbar

Berkeley
KHALILNAJI, Napoleon

Big Bear City
CAMPBELL, Jimmie Ross

Brea
ATMEH, Ghassan Antoine
DETWILER, Jack R.
FLORES, Johnny Rafael
KIUNKE, Paul Charles
KOHLRUST, Raymond Scott

NEW MEXICO STATE - COLLEGE OF ENGINEERING

Buena Park
BUI, Jean Claude
RAMOS, Henry

Burbank
BROWN, David M.
CRAIG, William H.
MC ADAMS, Donald Edward

Calabasas
BELL, R. Richard

Calxico
VIGIL, Ramon Pablo

Calrsbad
BOOGAY, Marc Allen

Camarillo
BRUTON, William Link
EBY, Thomas Leland
HOWARD, Joseph Richard
KUSANO, Harold M.
LITTELL, Robert Earl
ROTH, Roger Ray
STROUD, John Edwin
TOGAMI, James Keisuke
TRIPLETT, Elijah Vaughn
TUCKER, Leroy Wilbur

Campbell
MACHADO, Jerome Augustin

Canada-Flintridge
HALL, Justin R.

Canoga Park
APA, Frank E.
DICKSON, Dale R.
LUNA, Jesus Arturo

Canyon Country
CORDOVA, Gilbert J.
FRANKLIN, Richard P.

Cardiff
HOFFMAN, John Morgan

Carlsbad
HUNNICUTT, Walter William
STRAND, Dennis Holmes

Carmichael
HELM, Michael L.
JACOBI, Richard L.
MILLER, Richard J.
RECTENWALD, Elizabeth
Easterling

Carson
HINDERER, Joe Edward

Cedarville
PHILLIPS, Roy Timothy

Cerritos
ASIFUDDIN, Mohammed

Chatsworth
MATTHEWS, James Kirk
RAWAL, Pramod Manlal

Chico
ENGEL, Eugene T.

Chinalake
RICHARDS, John D.

Chino
QAVI, Mohammed Abdul
SIERRA, Roberto Edwardo

Chula Vista
EMERSON, Lawrence L.
GAMBERALE, Stephen William
PADILLA-WUNSCH, Fe
TUTTON, Fred Stiles
WUNSCH, John Joseph

Citrus Height
SHAW, Lance Dunn

Claremont
BROWN, Edward L.
SIFUENTES, Randall R.

Cloverdale
DOMINGUEZ, Ismael Carrasco

Concord
ALLEN, Robert Lee
BARRETT, David E.
GERHARD, Peter Thorp
SIGMUND, Lorna Kay
WICKE, Robert J.

Corona
ALBA, Augustine
CARRASCO, Ernesto C.
WICKSTROM, Gerald Wayne
WILSON, Dale Ray
YARBROUGH, Freddy Dekhoma

Coronado
GREENSLATE, Robert M.
ROMAN, Ramon Lorenzo

Costa Mesa
WARRICK, Stuart Clair
WILLIAMS, Charles Leroy

Cupertino
BRADFORD, Jeffery Joseph
HEIDENREICH, Gary L.

Cypress
GALLAGHER, Andrew Chris
HICKS, Aaron David
TRUJILLO, Avelino Angel

Dana Point
SCHLEIDER, Michael Alan

Danville
LAMB, Michael David
STRANBERG, Edwin William

Davis
HONEYFIELD, Harold Rex

Del Mar
DIETZ, Joseph F.

Diamond Bar
MC DOWELL, Edward Rouland

Dixon
HANSON, Blaine Richard

Downey
HAMPSON, Kenneth Alan
RAMIREZ, Arturo

Dublin
OGAZ, Gilbert Adrian

Edwards
PERRY, Todd Alan

Ei Cajon
MC FARLAND, Richard Alan

Ei Centro
DOYLE, Vickie Linn

Ei Cerrito
DAVIS, Robert W.

Elk Grove
MARRUJO, Daniel Pedraza

Ei Toro
TAUCHERT, Leonard Conrad

Encinitas
HULL, Dwayne E.
TURNAGE, Douglas Lee

Escondido
BACA, Paul David
BAUM, Karl Bradley
ELIZONDO, Paul Mark
HAMMONS, Carl Argus
HUNTSINGER, James P.
RAGLAND, David Clifford
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WIDNER, Ronald Dean

Eureka
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 LONG, Robert Jimenez
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LANDERS, Mark Alan

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 CHU, Tillman TI-Hwa
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 RODRIGUEZ, Tranquilin Ernesto
 SALINAS, Ernesto
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 WALLACE, Kelly William

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 WILCOX, Donald Joseph
 WOLF, John David

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 GILLILAND, Andrew E.
 MARTINEZ, Victor Corona

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 HOOD, Thomas Glenn
 MARTINEZ, Ramon Castillo
 MARTINEZ, Raul Castillo

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HARSHBARGER, Jeanne Walden

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BOONE, ThomasGeorge
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 CHERN, Wei Shan
 CONRAD, Carl Lee
 DAVIS, James A.
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 HANSON, Paul W.
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 LINEBERRY, Paul William
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 PREVOST, Charles Frederick
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SOJKA, Brian Zygmund

San Mateo

STASSINOS, John

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HOLLAND, James Everett
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San Rafael

DON, Steve
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San Ramon

GOODMAN, L. Neil
 PARRIOTT, Ronald Dean
 SZYMANSKI, Steven James

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REEDER, Ronald Holt
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FOUNTAIN, Gilbert
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Santa Clara

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 GOLDENBERG, Henry C.
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Santa Maria

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 WETHERALD, Mark Lyle

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CHI, KuoS.
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 CANNON, Wayne Clayton
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Santee

ROTH, Tim Brian
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Saratoga

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Sebastopol

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Sepulveda

GILMORE, Morgan Per
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Sgoura Hills

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S. Lake Tahoe

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 LOPEZ, John Gilbert
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 MARTINEZ-SOLA, Jose Raul
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 SEEDORFF, William August
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 WACHTLER, William Joseph

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 ROE, Bobby J.
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 VALLES, Valentin Soto
 WALDON, Billy Earl

Torrance

BALL, Thomas Wayne
 BOUGHTON, Robert Scott
 CLAWSON, Robert Alan
 DEITS, Richard Mayhew
 DOMINGUEZ, George D.
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KEISLING, James Dale
MARTINEZ, Emilio Marcos
MC DANIEL, Thomas Nolan
MEALER, Michael George
MOLES, Allen Dawson
MULLINS, Donald Douglas
ROSE, George Edward

ROWE, Thomas William
SMALL, Terry M.
STICE, Clifford Merrill
VENABLE, Thomas Clyde
WEST, Charles D.
WOLFE, George Herman
WOOD, Roger Benjamin

Longmont
BROCKMAN, Michael Steven
DELPH, Joseph Mauffray
DEWLEN, Gerald Edwin
GOULD, Jeffrey Alan
IKELER, Michael Lee
LITTLE, Edwin Jackson
MORTON, Ifka FayeLong
PRICE, David Michael
REITER, William A. (Bill)
SCHNETZER, Michel Wayne

Louisville
LUNSFORD, Katherine Price

Loveland
BATES, Gary Lee
BONOMO, Paul Miller
FREEMAN, James A.
MOYA, John Anthony
SAFFER, Robert Norman
SCHMIDT, Charles Henry
SCRUGGS, John Eugene
WHITTIER, Stewart Henry
WOODS, Keith Allison

Montrose
DAVENPORT, Kent Eugene
DAY, Larry R.
GEBHARDT, David Alan
KEITH, Raymond Eugene
METHENY, StevenMark
MITCHELL, Mark Sanders
RILEY, Elmer William
WIMBERLY, Clifford McBride

Monument
COLE, Gregory Wayne
HAMMER, Sheryl Pounds

Morrison
BESTHORN, Jarrell W.
HAGLER, Bobby Glen

Northglenn
SHERIDAN, Carla Radwanski

Pagosa Springs
GAZAWAY, Jerry B.

Parker
HAYNES, Kenneth E.
RICHARDS, Robert N.
STEINHAUS, Bruce Maxwell
WOOD, Jesse Glynn

Pine
BARRY, Michelle Arylene
CARNAHAN, George

Pueblo
CORDOVA, Delfin N.
DAMMANN, Julius F.

Sedalia
THORNTON, Jim Pat

Westminster
BASSETT, Roger Dale
BICHER, Carol Anne
BLACK, Deneen Esther
MICHEL, William B.
SMITH, Craig Stephen

Wheat Ridge
LALE, Robert Bates

CONNECTICUT

Bethel
SNELL, William Louis

Bloomfield
LOWE, Richard I.

Branford
BRININSTOOL, Mary C. Gillette
BRININSTOOL, Phillip J.

Brooklynn
WHITE, William Patterson

Danbury
PHILLIPS, Leonard William

Farmington
VILELA, Jose A

Groton
FELDMAN, Siebert

Mystic
PAPPAS, Stephen Omar

New Haven
ARMER, Thomas Alex

Norwalk
PARKS, Herman D.

Norwich
STEPLETON, John Michael

Simsbury
ELLISON, James Henry
STANKEVICH, Bernard Albert

Southington
MALLON, Joseph Lawrence

Stamford
BOTKIN, Charles C.
DESAI, Bharat M.

Waterford
DEES, Robert Neal

Wilton
HARRISON, James E.

DELAWARE

Dover
PEEL, James Earl

Newark
MARQUEZ, David F.
ROYBAL, Leopoldo Alberto

Wilmington
KLIMOWICZ, Joseph Paul

DISTRICT OF COLUMBIA

Washington
AHMAD, Nasir
KORZEKWA, Kenneth Ray
LAPRADE, John C.

FLORIDA

Altamonte Springs
SMITH, Kenneth W.

APO Miami
BRENT, Daniel Rex
GONZALES, Adolfo L.
TRUXTON, Stephen Edward

Apopka
JOURDAN, Charles Samuel

Boca Raton
CAMUNEZ, Gary William
DOLD, Ronald A.
KILLIP, Kristine Ford

Cape Canaveral
VIERA, William

Clearwater
GUTHMULLER, Harry C.
SMITH, William Randolph

Cocoa Beach
BAKER, Mack E.

Coral Springs
BRANDENBURG, Thomas C.

FLORIDA

Daytona Beach
JUCHUM, Daniel Martin

Delray Beach
CHALINE, Daryle Cline

Eglin A.F.B.
VAN HOUTEN, Warren Meredith

Enterprise
WILLEMSEN, Keith A.

Ft. Lauderdale
DRAGANI, Raymond James

Ft. Walton Beach
BURROUGH, Walter Stephen
JENSEN, Daniel Brian
MATHERS, Frank Stephen

Gainesville
BLUM, Curtis Minor
BLUM, Richard Ray
NESBIT, Cecilia Margret
NEWMAN, Dennis Lawrence
RANADE, Satishkuma Jagannath
SCHUMACKER, Aileen

Gainsville
MONTOYA, Mark M.

Hollywood
JENSEN, Richard T.

Indian Harbor Beac
STEPHENS, Nolan Thomas

Jacksonville
GURULE, Joseph Eloy
JAIN, Sukhndandan V.
KHONA, Ramesh C.

Juno Beach
BOOTHE, Glendon Edwin

Jupiter
PATTISON, William Warren

Lakeland
MOORE, Howard Lea

Land O'Lakes
RICCI, Romolo F.

Longwood
MILKS, Robert Duane

Melbourne
BOYLAND, John S.
GARDENHIRE, Lawrence W.
PALMER, Janis Hunter
PIOR, Jack Travis
REZELMAN, James Alan

Merritt Island
COX, Donnie William
OSTENDORP, Alan Robert
REDING, Robert Edward

Miami
ADAMS, David Lee
AMADOR, Frank J.
DANIEL, Patrick
MATZKANIN, Randy Lee

Niceville
BULLER, Bruce Thumma
GOSS, Charles Rapp
MAGERMAN, Bruce Robert

No. Indialantic
WALKER, Murray Lindsay

Orlando
MURPHY, Robert Lawrence
REEVES, Ronald Russ
SITZBERGER, Karen Faye
WHITESCARVER, Carrell David

Oviedo
JENTGEN, Lawrence Albert
OUTLAW, Arthur Trantham
WATKINS, Wayne Kenneth

Palm Bay
DAVIS, Otis Dewitt
MC DANIELS, Roger William
RICHMEYER, Timothy John

FLORIDA**Palm Beach Gardens**
BARRON, Alan Curtin**Palm Harbor**
STUBBS, Charles William**Panama City**
HOKANSON, Lawrence Dale**Pananama City Bch**
COOLEY, Bruce Ryan**Pensacola**
BERGGREN, Jan Charles
CRUZ, Richard Robert
HOPKINS, Ronald Jacob**Punta Gorda**
WINFIELD, Robert Arthur**Safety Harbor**
ESCH, Gary L.**SatelliteBeach**
FAUX, Ekundayo George
GIRGIS, MagdiAziz**Seminole**
KAFFER, Gordon Charles**Shalimar**
CARTER, Garrett M.
COLE, RossWayne
HENDERSON, David L.**St. Petersburg**
STEVENS, Everett Lee**Tallahassee**
TAM, Yiu Bong**Tampa**
HOLMES, Harry A.**Temple Terr**
MURPHY, Robert Jeremiah**Titusville**
JUAREZ, Juan Antonio
REYES, Raul Ernesto
SWEATT, Richard Van**Wesley Chapel**
FIEDLER, Harald P.**West Melbourne**
PATEL, Champaklal T.**West Palm Beach**
STOUT, Larry John**Winter Garden**
BIRD, Bruce**GEORGIA****Alpharetta**
SPINNATO, Roger Ernest**Atlanta**
HOLLABAUGH, Craig Allen
LONG, Russel K.
PRINGLE, Maribel Marquez**Augusta**
CANDY, William Robert**Decatur**
SORENSEN, Marc Lee**Douglasville**
WHITE, Richard Allen**Dun Woody**
KIM, Brian**Evans**
BURGER, Charles W.
MYER, Chalmer Rex**Gainesville**
MARRUJO, Robert Pedraza**Glennville**
BLAKE, Scott Fletcher**Kennesaw**
DE LUCIA, Jon Gregory**Lawrenceville**
CLARK, Byars Brian
CONNERS, PatrickBrian**Leesburg**
DORN, Ronald Eugene**Liiburn**
ZAMAN, Qamar U**Marietta**
SCHEER, Cecilia Ruby Mc Clung**Martinez**
OREN, John Wesley**Montezuma**
KOELTZOW, Lonnie R.**Norcross**
STRICKLAND, Robert Harvey**Quitman**
DINKINS, Sandra Kay**Roswell**
EVANS, John Charles
LOCKWOOD, James Douglas
POTTER, Dennis Jack
WILLIAMS, Jerry Lee**Stone Mountain**
BURSTEIN, David
MAYFIELD, Roger Edward
MORAN, Ricky Devert
TALLEY, Robert Howard**Warner Robins**
HOLCOMB, Omer Kersey
INMAN, Terence Bradley**HAWAII****Eleele, Kauai**
MACKEY, Gilbert Lee**Hanapepe**
NISHI, Tatsuo**Hilo**
FISCHER, Ronald David
TALICH, James Richard**Honolulu**
BINNING, Cogal David
CHONG, AlanS.
OKAMURA, Stanley Yoichi
VASHISHIA, Anil Kumar**Mililani**
TORNGREN, Eric Wayne**Mililani Town**
NISHIOKA, David Joji**Waimea**
TAKASHIBA, Norman Koichi**IDAHO****Boise**
ELLIOTT, Michael P.
GERMAIN, Stephen Paul
PIERCE, R. Lance
SEUSY, Clifton Jay
WOODARD, Patrick Miller**Burley**
RORRIS, Daniel Lawrence**Caldwell**
WOODWARD, Gregg Francis**Eagle**
SANDERS, James Harvey
SANDERS, Janet Hardin**Idaho Falls**
BEERS, Robert H.
DESMARE, Gabriel William
GARCIA, Cari Kammerer
GARCIA, Gabe V.
HEYDT, Harold J
ITALIANO, Vickie Mary
JERGINS, Colvin Edward
JOHNSON, Ora W.
MAESTAS, Herman Jacob
MC CRAY, Casey William
MOBLEY, Emory Vanoy
SCHLETTER, Rudolph Max
TAYLOR, Larry Lorin**Lewiston**
DAMEWORTH, William O.**Orofino**
FLOWERS, Raymond N.**Pocatello**
WILLIAMS, Richard Franklin**Post Falls**
KING, Steven David**Shelley**
DE FIELD, Jon Gregory**Terreton**
KORMANIK, Nicholas**Twin Falls**
BOND, Dow Burch**ILLINOIS****Algonquin**
MC QUEEN, William Roger**Batavia**
RANKIN, Ricky Dean**Belleville**
OLSON, Eric Donald
SCHOTEMEYER, Jack E.**Bridgeview**
AKHRAS, Salem Mohammad**Carol Stream**
THOMPSON, William Wayne**Carterville**
SHELTON, Donald Gene**Champaign**
HASHEMIEH, Mitra
MILLAR, Michael Mark**Charleston**
MC MILLAN, Neal Ervin**Chicago**
TORRES, Juan**Clarendon Hills**
BUDENHOLZER, Roland A.**Coal Valley**
CRANE, Robert C.**Collinsville**
SPRENGER, Bruce Ronald**East St. Louis**
KIMBER, Clarence Edward**Elgin**
HOOVER, David Wright**Glen Ellyn**
BOYLES, Homer T.
DI MARTINO, Louis M.**Great Lakes**
DAVIS, Kenneth L.**Itasca**
SASSER, Carey Jon**Marion**
FIDEL, Michael J.**NEW MEXICO STATE - COLLEGE OF ENGINEERING****Marissa**
LATHROP, Clarence A.**Minooka**
GUINN, Steven Dwayne**Moline**
CORMANY, Luther Peery**Naperville**
LARSON, Russell Dean**Niu Dekalb**
HAI, Mwangi Thinji**Orland Park**
BAUER, John Joseph**Palatine**
COHEN, Thomas Charles**Peoria**
LAPKE, Robert August
SAFDARI, Yahya Bhai
SECKLER, James Giffin
SHANKS, Richard Wayne**Peoria Heights**
FRENCH, Alta Carelyn**River Forest**
LEINER, Roger Edward**Riverside**
COLLING, James Bruce**Sandwich**
LADWIG, Arnold John**Schaumburg**
PLANTZ, William Edward**Shorewood**
PATHAK, Hareshkuma Vasudev
PULLEY, David Michael**Sleepy Hollow**
BOWEN, Paul E.**Springfield**
SCHOENHERR, James Allan**Urbana**
LESKO, Mavis Brauer**Waukegan**
DANOFF, Sidney**Wheaton**
TOGAMI, Paul Goro**Woodridge**
OWENS-KITT, Robin Metric**INDIANA****Anderson**
MICKLER, David Jerome
MICKLER, Dollia Marie**Bloomington**
ENGLE, Edward James**Carmel**
GALLIVAN, Victor Lee**Chesterton**
LINDAHL, Gerald L.**Columbus**
HOLMES, William A.
LEE, Thomas Rhodes**Crown Point**
KOENIG, Karl Andrew**Gary**
KEITH, Lloyd Lafayette**Goshen**
GANGER, Stephen Ray**Granger**
PABST, Robert Dean**Indianapolis**
ANDREWS, Arlan K.
FISHER, Richard L.
MANSUE, Lawrence John**Leo**
SONNEK, Gerald E.**Michigan City**
SHAW, Dennis Gordon**Nashville**
COOKE-GRIMMER, Diana Lynn**New Albany**
BROCKMAN, LawrenceRichard**Otwell**
RUSSELL, Harold Grester**South Bend**
KEPNER, Paul E.
MARTIN, John William**IOWA****Cedar Rapids**
WHITED, Michael Earl**Coralville**
DESAI, Lalitukuma Girdharlal**Davenport**
BOGDANOWICZ, Frank T.
KILAR, James Edward
RHOADES, W. Randall**Des Moines**
SLOUGH, William**Dubuque**
KROUSE, Wayne Lauron**Eldridge**
GRABEEL, Arthur Loyal**Mt Ayr**
MOORE, Steven Kelly**Muscatine**
WALKER, Wesley Clarke
WILLIAMS, Gary Lee**Osceola**
CONNELL, James S.**Peosta**
HOLMES, Russell W.**W. Des Moines**
NELEIGH, James Edward**KANSAS****Bucyrus**
UPCHURCH, David Earl**Derby**
GATTIS, Terry Allan**El Dorado**
JACQUEZ, Jose Antonio**Emporia**
MC KINNEY, Britt Thomas**Fairway**
SEWARD, John Edward**Lawrence**
DICK, Stephen Mark
MEDINA, Kyle D.**Lenexa**
DUFFIN, Sherwood M.
HANSON, Thomas Norman
PAGE, Darrell T.

GEOGRAPHICAL LIST

Liberal
BROWN, Raymond Lawrence
GALASSINI, Terry Douglas

Olathe
LEMONS, Patrick Ray
ONTIVEROS, Rosendo Villa

Overland Park
COPELAND, David Matthew
MORRISON, William Alfred
OMAN, Christopher Henry
ROSS, William Donald

Shawnee
ARCHULETA, Kenneth Leroy
FIELDING, Hal David

Stilwell
HEINE, Stacey Jaye

Topeka
BRANSCUM, Stephen Gerry
CROSS, Warren Robert
PENZIG, Udo Kurt
ROGERS, Steven Mark

Wellington
ELSASS, Ralph W.

Wichita
EASON, Steven Glen

KENTUCKY

Henderson
BELCZAK, Thomas E.

Lexington
KLEIN, Rita Barraza
WRIGHT, Wilbur Patrick

London
JONES, Daniel Conrad

Louisville
HERNANDEZ, Hector Raul

LOUISIANA

Abita Springs
CARMINATI, John Robert

Alexandria
GOODYEAR, Robert Earl

Baton Rouge
ARROTT, Mark Farr
COLBERT, Gilbert L.
MAC AHAN, Donald Herbert
ROBERSON, Morris Lee

Bossier City
WEBB, Douglas Grant

Covington
BOYCE, Colin L.
PARKER, Arthur Lester

De Ridder
LYON, Steven Michael

Destrahan
JOHNSTON, Jere David

Franklin
KING, William Thomas
ZELLEFRON, James Clinton

Gretna
PELLETTE, Philip Robert

Haughton
ASHAR, Sudhir T.
ASHER, Pralad Tulsidas

Homer
THACKER, William Nathan

Houma
MAHER, John Michael

Lacombe
CRAIG, Curtis Dean

Lafayette
NAVARRO, Armando Ray

Lake Charles
FLEMING, Richard Walter

La Place
MATLOCK, Roger Lee

Mandeville
RAMSEY, Gary Hill

Metairie
VOELZ, Brian Arthur

Morgan City
PALM, George Eric

New Orleans
DANFORTH, Elmo J.

Pastrop
CLAUSING, Ronald C.

Ruston
CHEW, Woodrow W.

Shreveport
BUTLER, Ronald W.

Slidell
GARNER, Stephen Paul

Sulphur
DUKE, Douglas Michael
SHUBERT, Ralph Alan

Ville Platte
DEVILLE, Lionel B.

MAINE

Brunswick
BASQUEZ, Stephen Paul

South Portland
BEHOUNEK, Charles J.

MARYLAND

Annapolis
FOWLER, James C.
GARDUNO, Gilberto
LESKO, William Edward

Baltimore
BONDS, James Kevin
GRIJALVA, Sylvia
HAYNER, Thomas R.
OTTS, Bradley Thomas
PACE, David Wayne
WELCH, Vanoy C.

Belair
DETTE, Michael John
PILCHER, James Otto
WIENAND, Joseph Daniel

Berlin
MEEHAN, Richard Francis

Bethesda
MCINTYRE, Donald Francis
WILDENSTEINER, Otto Melvin

Bladensburg
MILLER, Warner Haines

Bowie
LANCASTER, Jay Gordon
MCPHERSON, James Irving
RADOSEVICH, James Douglas

Bryans Road
MONTROYA, Roman Marcos

Buckeystown
MC CARTER, Lawrence A.

Cheverly
JONES, Alton Emmett

Chevy Chase
WOLF, Donald Marshall

College Park
TALL, Koreissi Maki

Cottage City
IVES, Travis O'Neal

Crofton
SCHEEL, Hellmut William

Edgewater
RADCLIFFE, William Eugene

Fort Washington
REISCHMAN, Michael M.

Gaitersburg
SIMONSON, David Peter

Gaithersburg
GALLEGOS, Thomas G.
HOLCOMB, William Franklin
HUSAIN, Shamoon
SUE, Robert

Germantown
GRAGG, Kerry Morton
LA DRIERE, Albert Joseph

Glendale
HEAD, Stuart Randall

Hyattsville
COOPER, H. Warren

Kensington
SCHRUBEN, Thomas Jay

Lanham
CLARKE, Gregory Vislav
SMITH, Lewis Cordova

Laurel
DYRUD, Chester A.
FRANKLIN, William Wyatt
LA FLEUR, Walter
WINN, James Byron

Mechanicsville
O'HARA, Dennis Michael

Millersville
GOSS, Franklin W.

Pocomoke City
CONRAD, George Ralph

Potomac
GAINER, Patricia Anne
NUNNELEY, Stanley Edward
ROSE, Tommy L.
SONG, Da-We

Rockville
BIVINS, William S.

Severn
DONALDSON, Jerry D.

Silver Spring
BILLS, Philip
CARVER, August Bert

Temple Hills
HEITMAN, William Lorenz
THOMAN, Paul E.

Towson
KALTENBACH, Albert Bossyns

Up Marlboro
VAUGHAN, Donald Alex

Upper Marlboro
LYONS, Jack Kingsley
RONALDI, Thomas C.
VAUGHN, Donald A.

Waldorf
GEIBEL, William Karl

West Friendship
HILL, James Joseph

Wheaton
ROTHENBERG, Jerome H.

Woodbine
SIDERS, Mark Lewis

MASSACHUSETTS

Acton
KRESS, Oscar
MADISON, Henry Claypool
VAN DOLMAN, John Francis

Ashland
ELDREDGE, Richard H.

Belmont
NOFTSKER, William Russell

Cambridge
LARA, Jaime R

Dalton
HABERL, John Brooks

Framingham
FRIEBAND, Neil G.

Harvard
PREVID, Franco

Lawrence
AZAM, Mohammed M

Lexington
CHICKINSKY, Alan

Marlboro
MOORE, Wayne Ellsworth

Newtonville
BELL, James Edward

North Billerica
BARR, James Edward

Nutting Lake
FELSBURG, David F

Pittsfield
FISHER, Franklin A.

Reading
COLEMAN, Donald A.

Rockland
MORALES, Ernesto Jr.

Salem
BEAIRSTO, Robert J.

Sudbury
ROGERS, Robert John

Wilmington
ANDERSON, James A.
GRASING, Donald

Winchester
BURNS, Douglas Edward
BURNS, Susan Margaret

Worcester
MAKHLOUF, Makhlof Mahmoud

Worcester
BALTENSBERGER, Carl Manz

MICHIGAN

Aito
JAMES, Gary Ronald

Ann Arbor
WU, Wen-Jer

MINNESOTA

Birmingham
DURHAM, James M.
KAISER, Fred John

Bloomfield Hills
WILLIAMS, Glen Wayman

Detroit
HILL, Clinton Wallace

Farmington Hill
POTTER, David Lemmuel

Farmington Hills
PADILLA, Orlando Trujillo

Fraser
GALLEGOS, Timothy David

Holland
CHIDESTER, Richard Allen

Houghton
BHONSLE, Suryaji R.

Jackson
TOELAND, Michael Thomas

Kalamazoo
SANGHUI, Rajendra S.

Kentwood
CADY, Kenneth Floyd

Lansing
MC CAULEY, Robert Forrestel

Lapeer
GARRISON, Ronald Wayne

Libonia
KANTEBET, Kishore Vithal

Midland
MILLETT, Wallace Pratt

Montague
MAHONEY, Brad Lee

Mount Clemens
ANSLEY, John E.

Rochester
BARKESEH, Mohammad Nasser

Southfield
CHRISTENSEN, Kenneth W.

South Lyon
TYREE, Clifford Dale

Sparta
LATSCH, William J.

Sterling Heights
CRENSHAW, Jamie Louis

Taylor
MADARASZ, Michael James

Ypsilanti
PATEL, Kanubhai Sombhai

MINNESOTA

Brainerd
KLEIN, John Phillips

Chaska
THORNE, Jere Luther

Cottage Grove
BOYD, Harold James

Duluth
DIXON, Richard Mack
HARKEY, Richard Earl
LUCERO, Andrew Rudolph

Minneapolis
ANDERSON, Sandra K

MINNESOTA

EWING, Robert De Graff
GILLIARD, Willis Lavara
HARRIS, Mark Wayne

Moorhead
RICHARD, Osborne Donnie

New Brighton
NEDOROSCIK, Francis D.

Ogilvie
CARDA, Joseph Ray

Plymouth
ANDERSON, Ronald A.
MILLER, Robert Sumner

Prior Lake
WAUND, Dunreth Jr.

Red Wing
CRAWFORD, Jerry Glenn

Richfield
INGRAHAM, Gregory M.

Rochester
MARSHALL, Paul Eugene
ROBINSON, Thomas Scott

Scandia
HAWLEY, Arlan Bruce

St James
CLARK, Donald Hunter

St. Joseph
MASSEY, Robert Daniel

St. Paul
CRESS, Joshua Robert

White Bear Lake
STUCKY, John Thomas

Woodbury
SEAVER, Albert Edward

MISSISSIPPI

Bay St. Louis
FAGOT, Martin G.

Biloxi
SAPLIN, Steven Kyle

Brandon
THOMAS, Samuel Ray

Columbus
BARNES, Teddy Lee
ELDER, Robert Lee

Gulfport
JULIANA, William James

Hattiesburg
HEIDEN, Charles Howard

Jackson
CARROON, Lamar E.
POWELL, Frederick Edward

Long Beach
CALDARELLI, David E.

Vicksburg
HART, Ellis Dale
STROHM, William Edward

MISSOURI

Ballwin
VERRETT, Sheldon Philip

Belton
MILLER, Scott Dewain

Chesterfield
GILBERT, Harvey Allen
SMITH, Lawrence Abner

STEPHENSON, Thomas Giffe
TILLEY, Coke Munro

Florissant
MICK, Dennis Wyatt
PLASTER, Dickie Eugene
WEISS, Carol Rivera

Freeman
COCKRELL, Forrest M.

Fulton
BROWN, Charles Harold

Independence
CLARK, Joseph Dale

Joplin
AUTRY, Kenneth H.

Kansas City
BELARDE, Ernest
PERNA, Steven C.
RICHARDSON, Alan Kirk

Kennett
BRUCE, Leslie A.

Liberty
MILLER, Bruce Duane

Manchester
ELLIS, William L.
SMITH, Montgomery W.

Rolla
BOURQUIN, Jack Jules
BREWSTER, Larry Thomas

St. Charles
HAWKINS, Vernon Hale

St. Joseph
FALDE, Leon Andrew
KELLY, Clark Thomas
SHUSTER, Carl P.

St. Louis
MARTINEZ, Ronald David
PLACE, Richard Kenneth

Washington
MORAN, Ray O.

MONTANA

Belgrade
CRANSTON, Kelly Orville

Billing
WEED, Richard Ellsworth

Billings
HARRIS, Douglas Robin

Cut Bank
LANE, Warren Harvey

Fort Peck
JEFFERS, Loree Ulrich
JEFFERS, Shannon Wade

Hamilton
HUGHES, Forrest Alfred

Helena
BAUM, MarkLynn

Missoula
JORDAN, Paris D.

NEBRASKA

Beatrice
TORRES, Jorge

Gering
SMITH, Ronald Ray

Lincoln
BROWNE, Michael T.
EUBANKS, Todd Jay

FULLER, James G.
THORNE, Tommy Lennard

Omaha
BUDENHOLZER, Joe T.
JARAMILLO, Lee
PICKEL, Harvey M.
RUSSELL, Danny

Papillion
CATANACH, Ralph M.

NEVADA

Battle Mountain
ROBERTSON, Danny Earl

Beatty
PEDERSEN, Chris Michael

Boulder City
MILLER, William Charles
SACKETT, Albert Klingelhof

Crystal Bay
COX, Debra Morris

Elko
TAYLOR, Kastler

Fallon
BRUNETTE, Mark Matthew

Henderson
DORN, Ronald Ernest
LAUGHLIN, Anne Moulds
LAUGHLIN, Noel Connally
VOSS, Michael

Incline Village
COX, Tom L.

Las Vegas
COLEMAN, Michael B.
FISHER, Lawrence Thomas
GALLEGOS, Anthony Gerard
HINES, Walter Gerald
KONING, Conrad Herman
LYON, Delton Ray
MAGEE, Jerry Roger
MAJORS, William Lyle
MC FADDEN, DannySean
MOQUINO, Robert Lee
NELSON, LawrenceM.
REVELL, William Ross
ROSENBLUM, DennisBen
TRAEGER, Scott Randall
ZABST, RichardHarry

Las Vegass
BURAK, Mark Henry

Mercury
BERNAL, Daniel Ramon

Reno
ETEZADI-AMOLI, Mehdi
MARTINEZ, Castulo Ortiz
MCKEOWN, Billy Frank
MELKUS, Taryn Gisela
TEAL, Marie Ashcraft

Sparks
BUEHLER, Mark Charles
MENDIVE, David Lee

Tanopah
FOLK, Steve

Tonopah
MC GARRAH, Charles Lamont

NEW HAMPSHIRE

Atkinson
ERICKSON, William E.

Berlin
AIKENS, Roland Gordon

Canterbury
KIMBALL, Ronald R.

Hampton
GOLDSTEIN, Robert Stephen

NEW MEXICO STATE - COLLEGE OF ENGINEERING

Hudson
WASHAM, Larry Eugene

Manchester
LONG, Gary Arthur

Nashua
FAHEL, Bonifacio T.
MARTINEZ, David Richard
MITCHELL, Oakley Joe
PARKINSON, David Rudd
UNDERDOWN, Richard Charles

Pelham
EDLOU, Samad Mussazadeh

Portsmouth
PINA, Ben

WestLebanon
SLETTEN, Robert Selmer

NEW JERSEY

Audubon
STOUDT, Craig Allen

Avenel
SUAREZ, Gonzales Rafael

Bound Brook
OESCHGER, William Fred

Bridgewater
POTEA, Tommy Leroy

Chatham
WHALIN, Ronald Lee

Denville
FREDERICKSON, Charles Francis

Dover
MICHELSON, Erwin

Elmer
ELWELL, Donald Alan

Flanders
SANDERS, Joel Henry

Flemington
VEAZEY, David Carter

Florham Park
RIPLEY, Edward Payson

Freehold
NEVAREZ, Joseph Richard
ROSELLE, Charles Perry

Hackettstown
RESTAINO, Joseph Michael

Haledon
URCIUOLI, Douglas Michael

Hammonton
CLARK, Richard Roy

Hawthorne
MISSEY, Andrew H.

Hazlet
HAIDERMOTA, Shabbir Abdulaly

Hillside
SHAH, Madhusudan Manilal

Holmdel
LIEBERT, Thomas Andrew
WHALEN, Powell John

Hopewell
GUTOWSKI, James A.

Lakehurst
FONNER, Donald Mark

Medford
WELSHER, DouglasE.

Millington
POKRYSKA, Mark Evan

Milltown
TORBERT, Virgil McMinn

Morristown
ESTES, Glenn H.
ESTES, Renee Blanchett
MASON, Daniel Harris

Mt. Arlington
BERNHARDT, Richard Brian

Mt Laurel
COLE, James Walter

Neshanic Station
RICCI, Clifford

North Brunswick
JENVEJA, Vinod

Oakhurst
PAGE, Harry Cortright

Parsippany
HYMAN, Bertram Samuel

Piscataway
LINDENMULDER, Charles Robert

Plainsboro
JACOBS, Keith Alan

Ridgewood
ANDERSON, Marion Reeves

Rockaway
KUNG, Pang-Cheng Joseph

Sayreville
CEGERENKO, Nikolay

Somerset
SHAH, Hemant Kalyanbhai

Somerville
CARRICK, John C.
UPTON, Ted Mims

Spring Lake
HOYT, Lewis A.

Stirling
KEILL, William K.

Succasunna
OEFELIN, Joseph Charles

Tinton Falls
HELSING, David V.

Union
BUDDENHAGEN, Charles Michael

Voorhees
TSAI, Chi-Hsiung

Wayne
VAN DYKE, Henry John

NEW MEXICO

Acoma
CONCHO, Deanne Marie

AFB Holloman
AGUILAR, Rafael

Alameda
GROVES, Donald Jackson

Alamogordo
AGUILAR, Gilbert Charles
ALTUM, David Craig
ALTUM, Robert Bruce
AMBURGUEY, Floyd Davis
ANDERSON, David B.
ARNOLD, Norman E.
BACA, David Ortega
BRITT, Kevin Allen
BROMLEY, David Wayne

GEOGRAPHICAL LIST

BROWN, Dodson Blake
 BUCK, Robert Charles
 BUNKER, Bruce Wayne
 BURROWS, Darrel Ray
 BUSH, Jimmie D.
 CALLAWAY, Robert L.
 CARRILLO, Bernardino
 CHIN, Ball
 CLUM, Jim Anthony
 CORDOVA-MOLL, Judy L.
 COUTURE, Michael Raoul
 COX, Stephen Ray
 CRAIG, Diane Hall
 DANIEL, Quinton E.
 DANIEL, William Lindsey
 DANLEY, William I.
 DAVENPORT, Robert Mark
 DENNEY, John
 EGGLESTON, James Henry
 FLORES, Matthew R.
 GABRIEL, Paul Francis
 GALLOWAY, John Dan
 GARCIA, Manuel
 GARNER, Richard Gene
 GILLIAM, Windell Lee
 GLASCO, Timothy Alvin
 GRUBEL, Patricia Anne
 GRUBEL, Paul Lambert
 HADEN, Joe Allen
 HENDERSON, Daniel James
 HESS, Timothy John
 HICKS, Jon Don
 HILL, Malcolm Fielder
 HOLCOMB, Herbert H.
 HOOSER, Clinton Dwayne
 HOOSER, Michael Duane
 HOPKINS, Michael Eugene
 HURT, Everett C.
 HUSMAN, Eric John
 HUST, Clarence Edwin
 JOHNSON, Tracy H.
 JONES, Richard Puckett
 KING, Adrian Sol
 KING, Jerald Keith
 KNIGHT, Hugh Ellsworth
 KOESTERS, James P.
 LENZO, James Joseph
 LESLIE, Paul Owen
 LEWIS, Terry Lynn
 LUBENAU, Thomas Rudolph
 LUX, Melvin Orville
 MARTIN, Joel Fredrick
 MC MURRY, Pat M.
 MENEFFEE, Lynn Martin
 MITCHELL, Robert Lee
 MITCHELL, William Charles
 MOLL, Jeffrey Edwin
 MORALES, Arturo Eloy
 MUSE, Hiram Stanley
 NICHOLSON, Grady Sexton
 NICHOLSON, John Taft
 OGDEN, Val Chancy
 ORTEGA, Victor Nunez
 OVERTRETT, John Francis
 PARRA, Steve Aires
 PAVELKA, Edward Joseph
 PETERSON, Gary Steven
 PHILLIPS, Morgan Wendell
 RAMIREZ, Francisco Javier
 REGRUTTO, Ray Mitchell
 RITCHIE, Ernest L.
 RITCHIE, Lora Boutz
 ROESSLER, Fritz Joseph
 SALGADO, Arthur Trujillo
 SCHWETTMANN, William Henry
 SCOTT, James C.
 SEVERSON, Donald M.
 SMALL, Freddy Joe
 SMITH, Delon
 SMITH, Michael B.
 SMITH, Richard A. Noll
 SOULON, Ross Edward
 SPEARS, Jack Donaldwad
 SPONAGEL, Arthur Lewis
 STIGERS, Daniel Timothy
 SUBIA, Samuel Ramirez
 SWEET, Fred Victor
 TURNBULL, Dennis Allan
 VALLE, Michael Joseph
 WALKER, Michael Ray
 WARREN, Thomas N.
 WASKIEWICZ, Leon Wladyslaw
 WEITZEL, Roger Steven
 WILTON, Michael Lee
 WOLFE, Timothy Charles

Alamogorod

CUNICO, Thomas Shane

Albuquerque

ACKERMAN, John T.
 AGAN, Darrell Lee
 AHRENS, Brandon Ray
 AHRENS, Janet Steele
 AKER, Marlin F.
 ALDERETE, Steven Micheal
 ALI, MirMohammed
 ALLEN, Joseph Anthony
 ALTHAUS, Bryan Louis
 ALTHAUS, Harry F.
 ALVAREZ, David Saenz
 ALVAREZ, Salvador Potter
 ANDERSON, Charles B.
 ANDERSON, James D.
 APODACA, Harry Louis
 ARAGON, Ernest Quesada

ARCHULETA, Adelmo Edward
 ARCHULETA, Edmund G.
 ARCHULETA, Valerie Ann
 ARGERES, Stacey Ann
 ARGUELLO, Eduardo Antonio
 ARMIJO, Anthony
 ARMIJO, Chris Todd
 ARVIZU, Dan Eliab
 ASBURY, Charles Ted
 ASHWILL, Patricia Marie
 ATENCIO, Juan Pablo
 BACA, Anthony Mel
 BACA, Benjamin
 BACA, Benjamin J.
 BAILEY, Donald John
 BALCH, Russell Eugene
 BALCH, William James
 BALL, David Michael
 BALL, Roy E.
 BALLEEN, Brian Thomas
 BARBOA, Lynnette Christine
 BARNES, Raymond Jasper
 BARNHILL, Kenneth S.
 BARSUASKAS, George Joseph
 BARTOLUCCI, John Anthony
 BATES, Timothy Gene
 BAUMGARTNER, Bruce E.
 BECK, James O.
 BECKER, Alvin Ray
 BEENE, David Max
 BELTRAMO, Rick Lynn
 BENARD, John J.
 BENAVIDEZ, Ray B.
 BENEDICT, Joseph Mark
 BERG, William Joseph
 BERNAL, Rodolfo
 BERRENERBERG, John Lance
 BICKEL, James E.
 BITSIE, Beryldine M.
 BIXBY, Bruce Lee
 BLACK, Ronald Owen
 BLACK, Wayne R.
 BLAINE, Claudia Joan
 BLANKINSHIP, Dave Kirk
 BOBERG, Steven Al
 BOETTCHER, Karen Marie
 BOHANNON, Karen L.
 BOLES, Thomas L.
 BOND, Alan Joseph
 BOND, B. Craig
 BOONE, John Lundy
 BORDEAU, Robert Louis
 BORDENAVE, Jean Jacob
 BOUMA, William E.
 BOUTZ, Paul L.
 BOUTZ, William R.
 BOWER, Bruce Edward
 BOWLES, Matthew Robert
 BOYES, John Dana
 BRADEN, Charles Douglas
 BRISCOE, Kenneth Alan
 BROWN, David James
 BROWN, John Lawson
 BROWN, John Robert
 BROWN, Michael Elliott
 BROWN, Pierce Livingston
 BROWN, Terry Owen
 BROWNE, Douglas C.
 BRUCH, Vicki Lorraine
 BRYANT, David Ann
 BUCKNER, Bill W.
 BUECK, Jerry Carroll
 BURCHARD, Ross Lee
 BURLING, Charles Thomas
 BURROWS, Robert G.
 BUSTAMANTE, Albino Cletus
 BUTTS, Jimmy Lynn
 BYARS, Larry Lee
 BYRD, Karl C.
 CAFFEY, Thurlow H.
 CAMPBELL, James W.
 CAMPOS, Angel C.
 CARRERAS, Richard Atencio
 CARRILLO, Ana Rosa Adame
 CARRILLO, Francisco
 CASKEY, Bruce A.
 CAUDLE, William Nicholas
 CAZZOLA, Harry M.
 C DE BACA, Arsenio A.
 CHAMBELLAN, Curtis Arthur
 CHAPEK, James
 CHARLES, Ralph
 CHAVEZ, Chester
 CHAVEZ, Felipe L.
 CHAVEZ, Frank Delbert
 CHAVEZ, James Martin
 CHAVEZ, Vincent F.
 CHRISTOPHER, Melvin Jerome
 CIZMADIA, Louis H.
 CLAASSEN, Paul Jay
 CLAGHORN, Chester G.
 CLARK, Harold E.
 COALSON, Connie G.
 COBURN, James Hunter
 COCHRAN, John Russell
 COLE, Gerald R.
 COLE, James Robert
 COLLETTE, David Francis
 COMER, David Michael
 COONCE, C. Pat
 COONS, Lawrence Michael
 COTE, Paul Joseph
 COUCH, William Alan
 COVER, Rex N.
 COX, Morris Keith
 CREAGER, James D.
 CROSBY, Bryan Wayne
 CROWLEY, Ernest R.

CUNICO, John J.
 CUNNINGHAM, Donald G.
 CUSENBARY, Philip Randy
 CYNOVA, Timothy Frank
 DAHL, Stacy Lynn
 DAHL, Suzanne Zulka
 DAILEY, Douglas Steven
 DARNELL, Rebecca Ann
 DAVIS, Kerry Lane
 DAVIS, William R.
 DAY, Mitchell Shawn
 DELAPP, John Marsden
 DE LARUE, Durwin F.
 DENNEY, Fred N.
 DE VARGAS, Michael Anthony
 DEVERES, Daniel S.
 DINE, Elizabeth Ann
 DOLIN, Patrick Alexander
 DOMINGUEZ, Louis Rodrick
 DONHAM, Brent Lane
 DONHAM, Tommy D.
 DOROUGH, Richard Lewis
 DOSS, Kirk Winston
 DOUGLAS, James Lowell
 DOURTE, Richard Harley
 DRAELOS, Laura Essington
 DRAELOS, Timothy John
 DUHIGG, David Leo
 DURAN, Juanita Consuelo
 DURGIN, David L.
 EASTERLING, Charles M.
 EDGAR, Robert M.
 EDMONDSON, James D.
 EDWARDS, Findlay Gordon
 EDWARDS, Ian Marshall
 EGBOM, Charles Steven
 ELLINGTON, Anthony James
 ELLIOTT, Ray Herbert
 ESQUIBEL, John F.
 EVANS, Kerry Lee
 EVERETT, Brad Lee
 EZELL, Thomas Franklin
 FARQUER, Alfred W.
 FAUGHT, Rhonda Gail
 FEIT, Randy Paul
 FELTZ, Louis Victor
 FISK, Frank B.
 FLEMING, Sean William
 FLORES, Mark Anthony
 FLOYD, Robert Lawrence
 FLURY, Ronald L.
 FORRESTER, Donald L.
 FORT, Patrick A.
 FRAGA, Lisa Christine
 FRANEY, William Richard
 FRANTZ, Samuel Christopher
 FRASSANITO, Robert A.
 FRESE, Michael H.
 FRESE, Sherry Donohoe
 GABBARD, Vernon
 GALBRAITH, Gary Matthews
 GALLEGOS, Anthony L.
 GALLEGOS, Gilbert E.
 GALLEGOS, Robert Joseph
 GALLEGOS, Steve Michael
 GANNON, Maureen Lindsay
 GANNON, Michael John
 GANTICK, Aaron Noel
 GARCIA, John Camillo
 GARCIA, Jolene Ann
 GARCIA, Michael Raymond
 GARCIA, Ron E.
 GARCIA, Thomas Alfred
 GAULTNEY, Jake R.
 GAUME, Arthur Norman
 GELDER, Michael James
 GILLIS, Richard Gerard
 GISLER, Gary Lynwood
 GLASNER, Sharon Lynn
 GLASS, Robert Edwin
 GOBER, James Richard
 GOLDBERG, Clay
 GOMEZ, Anthony Joseph
 GOMEZ, George Ernest
 GOMEZ, Ray Anthony
 GONZALEZ, Francisco
 GONZALEZ, Roberta Anne
 GOODDING, Charles Erwin
 GOOLSBY, Billy Joe
 GRACE, Augustine C.
 GRAHAM, Robert Houston
 GRANADOS, Daniel Edward
 GRANT, Tracy Ann
 GRAY, Frank Edward
 GREENLEE, Robert H.
 GREGORY, Julie Jeannette
 GRIEGO, Rosanna Lopez
 GROAT, John
 GROMEK, Christopher
 GRONWALD, Patrick Jeffrey
 GROSS, Louis W.
 GROSS, Walter F.
 GUERNSEY, William Lyte
 GUTIERREZ, Walter Thomas
 HAAG, Mark Andrew
 HABING, Robert Donald
 HAKEEM, James Phillip
 HALE, Daniel Gilley
 HANDS, Jerome Alfred
 HANDE, Kenneth W.
 HANNAH, William Nelson
 HANSON, Roy Jean
 HARDISTY, Dennis Dan
 HARENBERG, Henry Charles
 HARPER, Brian Scott
 HARPER, Ernest Maurice
 HARRELSON, Patrick Lee
 HARRIS, Dean Ray

HARRIS, Marc Farrell
 HARRIS, Theodore Garrard
 HAYES, Bruce Eric
 HEAD, James D.
 HECK, Kevin Michael
 HEGGE, David Paul
 HEGGE, William Cleaves
 HEISER, Michael Robert
 HENDRICKSON, Joel Todd
 HEWITT, Jeffrey Allen
 HICKS, William Moore
 HIGGINS, Charles Howard
 HIGHTOWER, Michael M.
 HIGHTOWER, Timothy Keehan
 HINDI, Moneer
 HINDI, Rached
 HINTON, Herman K.
 HODGE, Mark David
 HODGSON, Scott Fredrick
 HOGSETT, Theodore Calvin
 HOLT, Roger Eugene
 HOWARD, William Jack
 HUDSON, Mary Lynn Urban
 HUDSON, Ralph W.
 HUFF, Georgianne
 HUNGATE, John W.
 HYND, James Lee
 INGRAM, Bryan Allen
 IRWIN, Michael James
 JACKSON, R. Reed
 JACOBY, James William
 JACOBY, Kenneth R.
 JAMESON, Thomas Edward
 JARAMILLO, Alberto A.
 JARAMILLO, Lotario
 JENKINS, Sammy Sorrell
 JOHNSON, John Randall
 JOHNSON, Paul Newlin
 JOHNSON, Richard Lemmel
 JOHNSON, Wilbur Ralph
 JONES, Carl R.
 JONES, Joseph Anthony
 JOURDAN, Richard Everitt
 JURGENSEN, Glenn Christian
 KANE, Robert William
 KAST, Brian Asa
 KELLER, Michael Reid
 KENDALL, John David
 KERN, Larry Sherman
 KERSCHEN, William G.
 KESTELL, Kenneth John
 KESTELL, Susan Patricia
 KHODAIE, Morteza
 KING, James Eugene
 KING, William L.
 KIRKLAND, David Norman
 KIRKPATRICK, Robert Earl
 KISSAM, Robert R.
 KLAMERUS, James Michael
 KOGER, Russell Leon
 KOLLMAN, David Carl
 KOLOVSKY, Stanley Kenneth
 KOZLOWSKI, David Michael
 KRAMER, Gary R.
 KROENING, Frank Henry
 LANTZ, Dale Byron
 LARE, Boyd Duane
 LEEPER, Michael Allen
 LEYENDECKER, William Eugene
 LINDSAY, Barbara Jean
 LIPPIS, Joseph
 LITTLEFORD, Scott
 LIVERMORE, Hugh Frank
 LIVINGSTON, Edwin Carl
 LONG, Karen Sue Habling
 LONGENBAUGH, Cindy Lea
 LONGENBAUGH, Randy
 LOPEZ, Alonzo Alvarado
 LOPEZ, Donald Toby
 LOWELLY, Frank Dee
 LOWELL, James Russell
 LOWRY, Robert Elton
 LUCAS, Novie Neil
 LUCERO, Alejandro Conrad
 LUCERO, Florian Clarence
 LUJAN, Miguel A.
 LUKENS, Laurance Lee
 LUNA, Gilbert Abel
 MADDALeni, Jeffrey John
 MAESTAS, Joseph Harold
 MAHOOTY, Clifford
 MALM, Bruce Norman
 MANER, Randy M.
 MANZANARES, Alfonso A.
 MARLIN, Eric Curtis
 MARSH, Edward Warren
 MARSHALL, Bill Wayne
 MARTIN, Joseph Anthony
 MARTINEZ, Audrey Agatha
 MARTINEZ, Carlos Franco
 MARTINEZ, DannyNick
 MARTINEZ, Gerard
 MARTINEZ, Israel L.
 MARTINEZ, Jacqueline Deneen
 MARTINEZ, John David
 MARTINEZ, Mario J.
 MARTINEZ, Steven David
 MARTINEZ, Thomas Morton
 MATA, Roberto
 MAVEETY, James Ezell
 MAY, Jesse Ainsworth
 MC CARTY, Hershell
 MC CORKLE, Robert Roy
 MC GILL, Brian Dale
 MC KINNEY, Roy Franklin
 MC RAE, Robert De Bruce
 MEDCALF, William Edwin
 MEDRANO, Carlos Sanchez

NEW MEXICO

MELFI, William Jerome
 MELVIN, James Justin
 MENDOZA, Mike Edward
 MERRITT, Paul Henry
 MEYER, Vincent Andrew
 MIDKIFF, William Schuyler
 MILLER, Robert Farrell
 MIMS, Philip Lee
 MOCHO, John Harold
 MOLO, Remegio Suarnaba
 MONK, Eugene Eric
 MONTAGUE, Stephen
 MONTANO, Cirila Maria
 MONTOYA, Elfego Joseph
 MONTOYA, Marcus Federico
 MONTOYA, Victor Frederick
 MOORE, Bruce Paul
 MOORE, Carol Margaret
 MOORE, Gayle Smart
 MOORE, Henry Eugene
 MOORE, James Walter
 MORALES, Arthur R.
 MORAN, Michael Robert
 MORGAN, Jesse Patrick
 MORGAN, Tamara Jackson
 MORRATO, Francis Joseph
 MORROW, Danny Ross
 MORSE, Theodore Harding
 MOSER, Douglas Christophe
 MOTT, Paul Ward
 MOULDS, William J.
 MOYA, Jaime Luis
 MOYA, Ronald Wayne
 MOYNIHAN, Terry
 MUEHLBERGER, Joseph George
 MUNOZ, Jose Rafael
 MURPHY, Charles Thomas
 MURPHY, Michael Bruce
 MYERS, John Howard
 NAGLE, Ray Eugene
 NAIL, George Ronald
 NARVAEZ, Henry Frank
 NAVA, Edward John
 NEEDHAM, Stanton Glen
 NELSON, Brian Terry
 NEWCOM, Carlin Cypert
 NEWMAN, Jack Darwin
 NEWMAN, John Edwin
 NILCHEE, Warren
 OFFLEY, Mary Horine
 OFFLEY, William Charles
 OROSCO, Jay Thomas
 OMS, Elizabeth Jordan
 O'NEILL, Stephen Richard
 OROSCO, Lee Hossley
 ORTEGA, David Randall
 ORTIZ, Gerard Thomas
 ORTIZ, Richard Anthony
 PABST, Donald Charles
 PACKARD, Harvey Dean
 PADILLA, Carlos Gerard
 PADILLA, Edward
 PADILLA, Kenny
 PALMER, Bradford Hance
 PANNELL, Steven Clay
 PARK, Edward David
 PARSONS, Brad Alan
 PAUL, Roger Alan
 PAULK, Richard Henry
 PAULSEN, Gunnar Philip
 PAZ, Luis Anastacio
 PECOS, Matilda Stefanie
 PEDRON, Christina Louise
 PETERSON, Kristin Jo
 PETERSON, Tracy Clive
 PIERSON, Lyndon George
 PINO, Joseph Evan
 PINO, Michael Anthony
 PIORKOWSKI, Kenneth Martin
 PORTER, Dennis Bryan
 POTTHOFF, Edward Louis
 POWELL, John Barrett
 PRESTON, David Lawrence
 PREW, Paul Michael
 QUINONES, Andrew R.
 QUINTANA, Elias Manuel
 QUINTANA, Juan N.
 QUINTANA, Stephen Cris
 QURAIISHI, Mashallah Myz
 RADOSEVICH, Eric James
 RAE, George Juan
 RAMIREZ, Denise Ann
 RAMIREZ, Mario C.
 RAMOS, Joseph Arthur
 RANCHER, Charles Wayne
 RANKIN, Catherine Ann
 RAY, Larry Paul
 REDMOND, Weyman Dell
 REYES, Edwin Jr
 RICHARDSON, Allan Knight
 RICHARDSON, Robert Kurt
 RIDGLEY, David Cecil
 ROBISON, Albert Joe
 RODRIGUEZ, Andrew Manuel
 ROGERS, James Clark
 ROGERS, Robert Barclay
 ROGERS, Valerie Kuning
 ROMERO, Barbara Ann
 ROMERO, Leroy G.
 ROMERO, Richard Eugene
 ROMERO, Santiago
 ROPER, Christopher Paul
 ROSBOROUGH, Mark Allen
 ROYSTER, Gary Keith
 RUCKER, Frank Van
 RUTTER, Robert Eugene
 SABRE, Randolph Emil
 SACHS, Daniel Martin

NEW MEXICO

SALAZAR, Bernabe L.
SALAZAR, Vincent Paul
SALMAN, Jeff Elliott
SANCHEZ, Edward Roy
SANDFORD, Peter Alden
SANDS, John Patrick
SAUERHOFF, Harry Whiting
SAUVE, Gerald Le Roy
SCHAFER, Angela Vanwagoner
SCHAFER, Kristopher Todd
SCHAFER, Steven M.
SCHIRBER, Andrew Lawrence
SCHNETZER, Everett Eugene
SCHWANER, Brian James
SCHWANER, Deborah Temer
SENA, Patrick A.
SEXTON, Robert C.
SHERWOOD, Perry Dwight
SHEW, Philip Wendell
SHOEMAKER, Thomas Eugene
SHORT, Paul
SHOUP, Roy William
SIMON, Roger Edward
SKAGGS, Timothy Michael
SLACK, Lewis Cecil
SLATER, Bobby Linoel
SLOMAN, John Allen
SLUSHER, Dawn Christine
SMALL, Donald Mark
SMALLWOOD, David Ora
SMART, Nancy Schorr
SMITH, David A.
SMITH, Eric A.
SMITH, Galen Joe
SMITH, Michael Lowell
SMITH, Patricia Abernathy
SMITH, Randall Bradford
SMITH, Richard Nathan
SNYDER, Thomas Alan
SOLOMON, Otis Mornington
SORENSEN, Todd Arney
SPEIR, Robert Emmett
SPRAGGINS, Sandra Anne
STEARNS, Charles Carey
STEPHANS, Richard A.
STEVENS, Kenny Arnold
STIEFELD, Robyn Erica
STRONG, David Scott
SUMMERS, Kenneth Lee
SWAFFORD, Charles Edward
SWAFFORD, Garry Wayne
SWARTZ, Louis McKinley
TACHAU, Robert Mazur
TALAFIOUS, Kathryn Ione
TAYLOR, Timothy George
TEDFORD, David Allen
TEEL, John Melcom
TENNEY, Lance John
THOMAS, Albert Michael
THOMAS, John
THOMAS, John William
THOMPSON, Lewis August
TILGHMAN, Jimmie Steve
TIPTON, Gary Don
TOGAMI, Henry Kenichi
TOMITA, Steven Philip
TOPMILLER, James R.
TREWITT, Greg David
TRONE, Donald Leroy
TRUJILLO, David Florenio
TRUJILLO, Jerry Lee
TRUJILLO, Jerry Medrano
TRUJILLO, Leonard Anthony
TRYON, William Charles
UTTER, Leonard Patrick
VANN, James Enos
VASKOV, Simeon
VIGIL, Joseph Orlando
VIGIL, Manuel Gilbert
VIGIL, Ray Anthony
VIGIL, Reuben Cornelius
VINYARD, Jeffrey Lee
VIZCAINO, Eliseo Larry
VOELZ, David
VOLKMER, Blane Lee
WALHOOD, Gordon Arlien
WALL, Bruce Carl
WALLACE, Robert Hutson
WALLS, Lawrence Houston
WARNER, Peter Dale
WELTY, Kenneth Wayne
WEMPLE, Jeffrey Allen
WEST, Milton C.
WHITE, Bobby Jim
WHITING, Karl William
WICKER, Clabe Eugene
WILKINS, David W.
WILLIAMS, Howard Woodrow
WILLIAMS, Mona Fay
WILLIAMS, Stephen Lynn
WILSON, Andy Royal
WITTER, Robert Edward
WOOD, Charles Earl
WOODALL, Stephen Paul
WRIGHT, Stanley John
WUNSCH, Donald Coolidge
WUNSCH, Thomas Franzen
WYGANT, William Clayton

Alcalde

MARTINEZ, Benny J.
MARTINEZ, Floyd

Alto

KOMMER, Carlos Adolfo
SCHWETTMANN, William Henry

Angel Fire

GILMORE, Edward Terrence

Anthony

BIGELOW, Richard Lee
CAHOON, Clarence N.
CENICEROS, Imelda Barron
CHAVEZ, Fernando
CORTEZ, Ricardo B.
DARBYSHIRE, Jack Franklin
DE LA TORRE, Luis Manuel
FIERRO, Edward Porras
GARCIA, Leroy Nestor
GARCIA, Luis Miguel
GARCIA, Manuel Chavez
GARCIA, Ruben Chavez
GENTZLER, Robert T.
HARRIS, David Brian
LUDWIG, Maximillia Stephen
MARQUEZ, Joe Angel
MARTINEZ, Hector M.
MORALES, Mary Ruth
MORALEZ, Richard Albert
PROVENCIO, Gerardo Epifanio
PROVENCIO, Jose Francisco
RIVERA, Jorge Angel
SAINZ, David Benjamin
SANCHEZ, Jesse
SIERRA, Adolfo
VIGIL, Carlos Roberto
VILLALOBOS, John Albert
WEBB, Don W.

Aroyo Seco

MARTINEZ, Gary Steven

Artesia

BAKER, James B.
BEARDENPHL, Scott L.
BROWN, James Sterling
CARRASCO, Arturo C.
CATTANO, Pomposo J.
DE HOYOS, Daniel D.
EVARTS, Richard Scott
GRIFFIN, Leland J.M.
GURROLA, Roy R.
LANGENEGGER, Jack Wade
LOPEZ, Armando Alvarado
MC FARLAND, Bill Gary
MENEFE, Randall Owen
MORGAN, Charles Martin
NAVARRETTE, Alfredo Fuentes
PEREZ, Danny Paz
PINSON, Charles T.
PRICE, Howard Lee
SANCHEZ, George Martinez
SMITH, Irvin Lynn
STOCKTON, George Daniel
YATES, Byron Frederick
YATES, Frank William
YATES, John Ashby

Aztec

ECHOLS, Robert Armpstead
FRANCHINI, John Merle
FRANCHINI, Johnnie V.
HAZEN, James S.
JOHNSON, Henry Gene
JOHNSTON, Raymond Fain

Bayard

CARRASCO, Edward Ruben
CHAVEZ, Timothy Alexander
GARCIA, Alonzo T.
GARCIA, Rene T.
GRAY, Paul Wayne
KINDEL, Richard Boone
LARA, David Reyes

Belen

BACA, Jimmy Santiago
BACA, Robert Gerard
CASTILLO, James Peter
CASTILLO, Thomas C.
CHAVEZ, Matt Lewis
GABALDON, George Michael
GARCIA, Carlos E.
GARRETT, Yvette Tabet
MARQUEZ, Lawrence Richard
MARTINEZ, Manuel Guillermo
MOYA, Eugene Alfonso
PANDO, Clara
PREVOT, Mark Anthony
REYNOLDS, Gregory Alan
SANCHEZ, James Timothy
SANCHEZ, Roland Kent
SEERY, James Roy

Bent

DAVALOS, Michael Melendrez

Bernalillo

GARCIA, Martin Ronald
TRUJILLO, Frankie Arthur

Bloomfield

ARCHULETA, Doran Anthony
ASSELIN, Stuart Lawrence
BAIRD, Cole Walter
BROCKWELL, Larry Brent

BROWN, Laurence E.
CROCKETT, Randy E.
EVANS, Jesse Dee
EVANS, Lee
FERRARI, Lance Eldon
FERRARI, Nora A. J.
UNCAPHER, Jon Elwood
WARESBACK, Layne Loren
WEAVER, Isaac Leo

Bosque

ABEYTA, Randal Mark
HAMILTON, Michael Paul
JARAMILLO, Harold Bernard

Bosque Farms

BLAINE, Charles Thomas
GRUBBS, Peggy Shaun D.
GRUBBS, Ricky Lynn
HENDRICKS, James Carr
POSEY, Robert Lloyd
SUTTON, Larry Wayne
SWINNEY, Jay Charles

Capitan

HALL, Linas Virgil
PARKER, David Bruce

Carlsbad

ALLEN, James Fred
ANDERSON, Ronald David
BARNES, Charles Allen
BLOHM, Robert M.
BOEGLIN, Richard E.
BRIDGES, William Walter
BUJAC, James N.
CARLSON, Thomas Frederick
CARRASCO, Joseph Mendez
CARRASCO, Reymundo Carrasco
COSGRAY, Sandra Rae Mathews
CRABB, Charlene Inge
ESWEIN, Andrew Mark
GAMBLE, Steve Alan
GEORGE, Donald Lee
GIBSON, Howell Barclay
GREGORY, Phillip C.
GRIFFIN, Ralph Stephens
HERNANDEZ, Albino Estrada
JOHNSON, Jack Elmer
JONES, Ronald W.
JORDAN, Louis Willard
KLEIN, Thomas Henry
LACKEY, James Robert
MARTINEZ, Manuel Brito
MC CLANAHAN, Donald Keith
MERCHANT, John Douthit
MIKUS, Kenneth Russell
MILLER, Tommy Dale
NAJAR, Louis
NOFTSKER, William Russell
O'CONNOR, Jimmie Edward
PFEIFER, James William
REDDY, Dan Roy
SABER, John Michael
SIEPEL, Norman Dee
SMITH, Merrill Eugene
STROUD, Thomas Darrel
SYDOW, Helen Davison
THAYER, Walter Edward
WALE, Gery Michael
WALLS, Jimmy Ray
WALTERSCHEID, Peter R.
WALTERSCHEID, William James
WATKINS, Kenneth William
WELCH, Ronald Lee

Carrizozo

HIGHTOWER, Gary A.
SPENCER, Stirling Truman

Cebolla

ARCHULETA, Ernest Deloy

Cedar Crest

BLACK, James Paul
FERGUSON, Gregory Lynn
LACKEY, Royce Dale
LEISHER, William Birch
WILDE, Steve L.

Chacon

VIGIL, Eliud Frank

Chama

AVANT, Ira Marshall

Chamberino

GAMON, Jose Luis
JACQUEZ, Antonio Medina

Chaparral

BARRETT, Margaret Ann
SHOFNER, Thomas H.

Chimayo

MARTINEZ, Adrian Steven
MARTINEZ, Benny Espinoza
MARTINEZ, Danny Alex

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MARTINEZ, Leroy Michael
MARTINEZ, William David
MONTROYA, Eric R.
ROMERO, David Michael
TRUJILLO, Ronald Macias

Clayton

BROCKMAN, William Dixon
MAES, Archie Celestino
SHIELDS, Lee Eddie

Cliff

DINWIDDIE, Richard Bright

Cloudcroft

ALEXANDER, Richard Bert
BRADLEY, Patrick Louis
FESMIRE, Courtland Greg

Clovis

BROOME, Karl Frank
BROWN, Jerry Robert
ESQUIBEL, Abel
FRENCH, Dennis Michael
HINE, Colleen Darice
LITTLEJOHN, James Benton
LYDICK, Robert Chadwick
LYDICK, Robert Lee
MC DANIEL, Michael Lee
MONTANO, Kenneth Lee
PATTISON, Orville Hoyt
PRIEBE, Pryde Douglas
QUICK, Joel Hayward
SEARS, Patrick Allen
WHITE, Walter Wayne
WUEST, Harold Truman

Columbus

GUTIERREZ, Jose Luis Renteria
RENTERIA, Lourdes Gutierrez

Corrales

BUSTAMANTE-MITCHELL, Veronica
CARTER, Oscar E.
GIBSON, Marvin Lee
JEFFERS, Edward Andrew
MAGNUSON, Molly Louise
SHANNON, Edmund Gaines
VIGIL, Lawrence Daniel

Cuba

ESTRADA, Samuel Carlos
VELARDE, Thomas Gaylen

Deming

ARRIETA, Maria R.
BERNAL, Ricardo R.
CAMPOS, Hector J.
CAMPOS, Maria Socorr Nunez
COLLINS, Charles Wayne
CORDOVA, Gerald Patrick
DONALDSON, James W.
EDWARDS, Thomas C.
GARCIA, Joe G.
GIDNEY, Leonard Ray
GRAY, John Latham
HARRIS, Stacy Eugene
HOLGUIN, Arthur Woods
KOENIG, Leo William
MC SHERRY, David Xavier
NABOURS, Kris L.
PRATHER, Owen Culbertson
SAYRE, Charles Anthony
SCHULTZ, Walter Lawrence
SCOTT, Lester Carl
UNDERWOOD, Larry Oliver
VEGA, Victor Allen
WESTRICK, Francis Andrew
WHEELER, Robert Laurence

Derry

GARAY, Frank Joe

Dexter

MEHLHOP, John A.
SHARP, Sandra Lee
STONE, Alfred Walter

Dixon

LE DOUX, Mark E.
SANDOVAL, Gerald
VALDEZ, Joanne

Dona Ana

APODACA, Dickie
BAKER, John Allan
CARRIER, Clifford E.
DE LA O, Miguel V.
EMBREE, O. Dale
HARZEWSKI, Teresa A.
LEMON, Fred J.
RAEL, Raimund Joseph
STRADLING, Jack Sherwood

Dulce

GOMEZ, Andrew Myer

GOMEZ, Manuel Herbert

Edgewood

BARDWELL, Karen Melick
BOCOCK, Johnny Lynn
GREEN, Theodore Forrest
HARDY, Robert Douglas

Elephant Butte

FLEISSNER, Conny Leopold
LOOMIS, William Jay
SENN, David Mathew

El Prado

TRUJILLO, Fernando Felipe

Espanola

ALARID, Ralph Gregory
ARCHULETA, Jacobo Rogelio
ATENCIO, Lorenzo E.
BENCY, Robert Bryan
BROWNING, Jeanette Valerie
DEAGUERO, James Gabriel
DE LA TORRE, Rafael
DELGADO, John Edward
FARMER, James S.
GARCIA, David Clarence
GARCIA, Rosendo
GARCIA, Teodoro Benjamin
GARDE, Raymond
GOMEZ, Joanna Feice
GONZALES, Donald Ruben
GORDON, Robert Ray
HALL, Dennis
HORAK, Henry Louis
HUTCHINSON, James Edwin
LIVERMORE, Dale Alan
LUJAN, James Victor
LUJAN, Joseph C.
LUJAN, Patrick Matthew
LUJAN, Peter Michael
MACHADO, Francine S. Vigil
MAESTAS, Arthur Ed
MAESTAS, Gerald
MAESTAS, Roy Patrick
MAEZ, Joseph Emery
MARTINEZ, Elias Valentin
MARTINEZ, Elizabeth B.
MARTINEZ, Raymond John
MARTINEZ, Rubel Francisco
MASCARENAS, Martin Anthony
MIGNAROT, Henry
MONTROYA, Bernadette Adele
MONTROYA, David Michael
ORTEGA, Joseph Michael
REDMAN, Carl Philip
ROYBAL, Lucille Mary
ROYBAL, Robert B.
SALAZAR, Leroy A.
SALAZAR, Luis
SALAZAR, Michael Daniel
SALAZAR, Pamela Marlene
SANCHEZ, Marvin Anthony
SANCHEZ, Philip G.
SISNEROS, Jeff S.
SISNEROS, John Anthony
SUAZO, Isaac Lawrence
TRUJILLO, Levi Aloysius
TRUJILLO, Manuel
TRUJILLO, Mark
VALDEZ, Joddie J.
VALDEZ, Leonard Gene
VALDEZ, Rudy Johnny
VIGIL, Pablo L.

Eunice

LININGER, Martin Lee

Fairacres

BALES, Gary Orville
BUSTAMANTE, Debra Joan
COVINGTON, Freddie W.
CRAVATT, Jack Eugene
DICKERSON, Morris L.
FREBURG, Robert Stuart
PACHECO, Johnny
SCHAMAUN, Ccene Elaine
SMITH, Jeffrey Alan
TAYLOR, Ivan Scott

Fairview

DE VARGAS, Annette L.
GARCIA, Gene Cayetano
GARCIA, Joe Abel
MARTINEZ, Gerald David

Farmington

AKERS, Randy Lynn
ALEXANDER, Mark L. Roy
ANDES, James William
ARAGON, Frank Garcia
ARMIJO, Dennis Fred
BAIRD, Kelly Laval
BOLACK, Duane Thomas
BRUCE, Robert Price
CHAGNON, Alan Patrick
CHENEY, Richard P.
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DEFIELD, James Michael
DE LA RUE, Timothy P.
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GEOGRAPHICAL LIST

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FLOWERS, Phillip Thomas
GABALDON, Manuel
GALLAGHER, Sidney Kay
GREEN, John Randall
GREGORY, John Thomas
HALE, Allen Wayne
HARE, Glenn Robert
HASTINGS, Larry Wayne
HENKE, Michael John
HORNBER, Gary L.
HUSLIG, Alan David
HUSLIG, Lisa Marie
HUSLIG, Martin Joseph
JAMAE, Michael A.
JAMES, Eva Gregory
JONES, Jon Wayne
KELLENBARS, Daniel R.
LOVETT, Wesley Lloyd
MADRID, George Albert
MAESCHEN, Melvin Victor
MARTIN, Paul Francis
MC CULLOCH, Allen Wilson
MILLER, Michael John
MORRIS, Samuel Eugene
MUNSON, Thomas Bryan
MUSSETT, Douglas W.
OGDEN, Kevin Kean
POSEY, Gerald Wayne
REIN, Mitch Jay
RHODES, James Edwin
RHODES, Kyle Kelley
RICHARDSON, Dale Edward
ROE, Thomas Martin
RUSSELL, Charles Wayne
SALISBURY, Bruce Allen
SCHMALTZ, James R.
STANFORD, Charles William
STARKEY, Vern Leroy
TAYLOR, Karen Sue
THOMPSON, Paul Curtis
TOWNSEND, Wayne Raymond
VILVEN, Steven Mark
VON TUNGEN, Kevin Lewis
WALLING, Donald Craig
WATKINS, William Austin
WILSON, Daniel E.

Flora Vista

CYNOVA, Larry Ernest
RAYMOND, Leonard

Folsom

BIGBEE, Beth Burchard

Fruitland

BIEL, Mark Joseph
FRANCIS, Alfred

Ft. Bayard

GUARD, Steve William

Gallup

BLOOM, Leonard George
CAMPOS, Gabriel Joseph
CARRICA, Vincent Paul
CAUDILL, Herbert
GUILLEN, Louis Edward
KOZELISKI, Frank Anthony
MEXAL, Mark Stephen
PARPART, David L.
PLEASE, Michael L. H.
ROSS, Leonard David
SCHANEFFELT, Geraldine Lucy
SKEET, William
SUAREZ, Raymond Joseph
SULLIVAN, Gilbert Clark
WADE, Charley E.
WILLIE, Joann
ZECCA, Guido E.

Garfield

TERRAZAS, Ernest

Glorieta

CHAVEZ, Raymond Albert

Grants

BARNES, Michael Lee
CANNON, Aubrey Gene
CHAVEZ, Pamela Suzette
FISHER, Kevin Perry
HARRIS, Steven Patrick
NABULSI, Mohammad Saleh
RADOSEVICH, Roger Allen
RUNYAN, William Russell
SALAZAR, Stephanie Jeanette
WARD, Jess Lee

Hatch

GALLEGOS, Bobby Dennis
GARY, Woodrow Owens
LOZANO, Frank Anthony
MC CONNELL, Martin Andrew
THOMPSON, Gary Neil

Hernandez

MAESTAS, Lionel Roy

High Rolls

CADWALLADER, Curt Blacker
FARRAR, Roger William

Hillsboro

MC GREGOR, Carlton H.

Hobbs

BERGSTROM, Chad S.
BINGHAM, Danna Smith
BINGHAM, Jeffrey Dennis
BONHAM, James R.
BRATTON, Donald E.
COOPER, Royce Ray
CURRY, Alan M.
DAVIDSON, Rodney Bruce
DOBBINS, Freddie
DOBRY, Michael Ray
DRENNAN, Brett Craig
DYER, Timothy Dee
ELAM, Julie Ann
FELKINS, Roger Dean
GILBERT, James Jerald
GRAY, Raymond Franklin
HARRELLSON, William Monroe
HEAD, James Albert
HICKS, Debra Pettigrew
HICKS, William Moore
HILLARD, Jerry Dee
JONES, William Voyle
KASSIS, Raouf Yacoub
KASSISIEH, Qustandi Ibrahim
KEERAN, Bill Don
LUSK, Daniel Garrett
MANES, Jay Todd
MORRIS, Edward Gerald
NELSON, Scott Dwain
PETERSON, Kim Alan
PRICE, Lester Wayne
SCOTT, Lewis
SCOTT, Randolph Lee
SHAW, Thomas Benjamin
STANFIELD, Roger Blake
STELZNER, Edward Francis
THOMPSON, John Glenn
VAIO, Robert William
WAKEFIELD, Mark Steven
WATSON, Eddie Mike
WHITAKER, Mark Allen
WILLIAMS, Charles Harvey
YOUNG, Roger Phillip

Holloman AFB

BARKER, Cleon Harry
GREGORY, George J.

Holman

VIGIL, Leroy Randall

Hurley

BLACKMAN, Darrow H.
GRAY, Steven Joe
PADILLA, Richard S.

Isleta

CORREA, Ernest Alden
LUCERO, Joseph Frank

Jal

BAILEY, Darrell Eugene
FULFER, Gregory Hugh
ROBBINS, Richard Jeff
SPEER, Raymond K
WATSON, Mark A.

Jarales

LOPEZ, Victor Abblino
ULIBARRI, Andrew Patrick

Jemez Springs

BLAIR, Michael John
PONTON, David Arthur

Kirtland

BUSHMAN, Jacques Decker
FINCHER, Keith Stephen
PILCHER, Vernon Duane
WARNER, Rodney Brent

Kirtland AFB

SCHRYER, Donald Ross

Laguna

LUCERO, Ray Paul

Lake Arthur

NORRIS, James Riley

La Luz

BUCKNER, Edwin G.
COLLINS, Brett R.
MILLER, Emmett Duane
WORMAN, John E.

La Madera

GRIEGO, Stanley Anthony

La Mesa

ACOSTA, Concepcion
ACOSTA, Rafael H.
CERVANTES, Orlando
DUNN, John Charles
GARCIA, Jose Luis
HINOJOS, Maria Astorga
MORAN, Anna Maria
PEREA, Fred Appelzolle
ROYBAL, Richard G.
SALAZAR, Elias
SANCHEZ, Larry
VILLA, Raul Felix Flor

Las Cruces

ABEAR, Gerald J.
ABEAR, Jerome Gerald
ACEVEDO, Mario Humberto
ADAMS, William F.
ADCOCK, Charles Alfred
AGEE, Darlene Anne
AGUIRRE, Antonio Lorenzo
AGUIRRE, Daniel Stephen
AGUIRRE, Gregory Michael
AKERS, Billie R.
AL-ABAYAD, Ali Hassan
ALBERSON, Dean Clinton
ALBERSON, Edwin J.
ALBJO, Larry Wayne
AL-EMRAN, Fahad Hassan
ALEXANDER, Thomas Wayne
ALEXANDER, Tris Wayne
ALFAOURI, Mikhlid Fadel
AL-HAMED, Hassan A.
AL-KHATIB, Kamal Jamil
ALMALLAHI, Hussein F.
ALMANA, Robert
AL-TURKEY, Ali
AL-ZAHIRANI, Majeb Ahmad
ANAYA, George Luis
ANBOUBA, Fadi
ANDERSON, David Mariowe
ANDERSON, Jerry James
ANDERSON, Jerry Lynn
ANDERSON, John Christian
ANDERSON, Jolie Bray
ANDERSON, Lee Evan
ANDERSON, Lon Robert
ANDERSON, Melisa Ann
ANDREWS, Duane E.
ANGEL, Alfred Bernal
ANGELL, Kelly Alan
ANTOSIK, Roman
APODACA, Gilbert Ramon
APODACA, Richard D.
ARAGON, Filemon Louez
ARAGON, Hector Ernesto
ARAGON, Joseph Conrad
ARCARO, Angelo Charles
ARCARO, David John
ARCARO, Mike Angelo
ARCHEY, James Douglas
ARELLANO, Jaime Arnold
ARELLANO, Raul W.
ARIAS, Patricia
ARMUJO, Billy Molina
ARMSTRONG, John F.
ARTHUR, Joy Lim
ASEL, John Edward
ATHA, Robert I.
AVALOS, George Vicente
AYOORA, Edgardo Ruben
AZIZ, Rofie Azizi Bin
BABICH, Alan Dane
BACA, Albert O.
BACA, Dennis Michael
BACA, Larry Eugene
BAGWELL, Edward Carl
BAILEY, Dean Ross
BAIRD, Albert W.
BAIZ, Roberto
BALIZAN, Ernest
BANKS, Doyle Elton
BARELA, Rudolfo M.
BASSETT, Wendell Evan
BAWAZIR, A. Salim
BEAIRSTO, Chris Thomas
BEAKLEY, John Coleman
BEAN, Bonnie Bengaard
BEASLEY, Jeffrey Stuart
BEATY, Billie Larry
BELL, Donald R.
BELL, George Parker
BENAVIDEZ, Paula Kay
BENAVIDEZ, Steve Leon
BENNETT, Charles Albert
BENNETT, John S.
BENTING, Allan Paul
BERLEMANN, Richard L.
BHAKTA, Prafull H.
BHALLA, Sunit Kumar
BIEL, Richard C.
BINGHAM, Dwight Hemenway
BINNS, Wilfred E.
BLACK, Raymond J.
BLANKENSHIP, Bret A.
BLEA, Anthony
BLEVINS, Bruce Allyn
BOEHM, James A.
BOLIN, Susan Bolton
BONDS, Stephen Jeffrey
BOONE, Billy B.
BOOR, James Steven

BORGMANN, Russell Alan
BOSS, Phillip K.
BOUDREAU, Vincent
BOWERS, Alphonso Francis
BOYKIN, James Lester
BRASSELL, Lisa Ann
BRIGGS, Timothy Buford
BRILEY, Alan Dale
BRIONES, Juanito Arnulfo
BRODE, John David
BRONSON, John Paul
BROWN, Don Alan
BRYANT, John Arthur
BRYNER, Richard Lewis
BUERKLE, Mark Christophe
BULLARD, Tom C.
BUMGARNER, Raymond Arthur
BUNYEA, Walter Clifford
BURLBAW, Edward James
BURNS, Stacy Edward
BUTLER, Timothy James
BYERS, John Habel
BYRES, Gregory Donald
CALDERON, Yolanda Marie
CAMPBELL, Jeffrey Scott
CAMUNEZ, Kevin Jerome
CANNON, Gregory Scott
CANO, Raymond Lucero
CAPLES, Robert Osorio
CARDENAS, Linnie Rebecca
CARDENAS, Roger
CARLSON, Jeffrey John
CARMAN, Keith Vernon
CARR, John Edward
CARROLL, Vincent Anthony
CARSON, Linwood M.
CARSON, Robert Francis
CARTER, Glenn B.
CARVER, Albrecht E.
CASTILLO, Steven Philip
CATANACH, Paul Von Hinden
CATENA, Robert
CATHY, Mike Kent
CAVE, Charles Allen
CAVE, Marcia Maude
CHAPEL, Charles Robert
CHAMBERLIN, Terry Jay
CHAVARRIA, John Paul
CHAVEZ, Frank Anthony
CHAVEZ, Frank G.
CHAVEZ, Joe Lopez
CHAVEZ, Joe Phillip
CHAVEZ, Ray B.
CHAVEZ, Richard M.
CHAVEZ, Tomas Carlos
CHECK, Daniel A.
CHECK, Patrick F.
CHENG, George J.
CHIDESTER, Mark Alexander
CHOU, Ping-Yao
CHOUDHURY, Akram Alamgir
CHURCH, David Brian
CHURCH, Rosina R.
CISNEROS, Larry Anthony
CLAGHORN, Kathy Lorraine
CLARENCE, Terrell David
CLARK, Elijah Paul
CLARK, John W.
COFFMAN, Leslie W.
COMYFORD, Earl Charles
CONNELL, Harold Lynn
COOK, Jerry Glenn
COOK, Paul David
COOK, Ryan David
COOKE, Read Stephen
COOPER, Allan Estes
COOPER, Ronald B.
COOPER, Samuel R.
COOPER, William K.
CORGAN, Stephen Charles
CORL, Louis
CORPENING, Louis John
CORPENING, Nora Ruiz
CORRIVEAU, John Paul
COURTNEY, Michael Leo
COVEY, James Rager
COWAN, Shelia Kaye
COWAN, Tyrone Max
CREED, Joe L.
CREEGAN, Edward D.
CRISS, John Robert
CRISTO, Phillip Philo
CUMMINGS, Byron K.
CUMMINGS, William Totten
CUNIFF, Roy A.
CUNNINGHAM, Larry Eugene
CUNNINGHAM, Robert M.
CURNUTT, Freddy Wayne
CURRY, Berry Layne
CYRS, Thomas Earl
DALLAS, George M.
DALLMAN, Jeffrey James
DANA, Margaret Andriola
DANIEL, James Allen
D'AREZZO, Robert
DAUGHERTY, Angela Lorraine
DAVIDSON, Dean Lester
DAVIS, Charles D.
DAVIS, Daniel Lynn
DAVIS, Dewey Leon
DAVIS, Lawrence
DAVIS, Rodney Douglas
DEAN, Terry Alan
DEANSON, Paul Allen
DEBUSK, Jerry R.
DE LA CRUZ, Jaime
DELFIN, Randy
DEL RIO, Ramon Castaneda
DE MOULIN, Donald A.

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DIAZ, David
DICKERSON, Robert Gene
DICKNEITE, Alphonse Joseph
DI MATTEO, Carl A.
DINSMORE, Ellis Dudley
DIXON, Victor
DOBSON, Timothy Patrick
DONART, Dana Duane
DONNER, William Owen
DONOHUE, Robert Emmett
DOUDS, John H.
DOWNING, Earl Murphy
DOYLE, Robert Clay
DOZIER, Forrest John
DREXLER, Morris
DISCOLL, Kevin Barrie
DUBBIN, Marvin Henry
DUBE, Kathleen Ann
DUNAGAN, Glenn Richard
DUNCAN, Shawn Alan
DUNCAN, Wayne Douglas
DUNLAP, Edwin Kim
DURAN, Luis Armando
DURAND, Frances Kaszeta
DURRENBERGER, J. E.
DUTCHOVER, Richard
DUVALL, Aleta Louise
CARDENAS, Linnie Rebecca
EGAN, Gerald Richard
EGGLESTON, Jody Ray
EMERICK, Lewis Edgar
ENGLER, Richard Raymond
ENOCH, Joe Gary
ESCAMILLA, Joe Alfonso
ESQUIBEL, Jerry E.
ESSARY, Dale Edwin
ESSARY, Wilburn D.
ESTES, Thomas Keith
ESTES, Troy J.
EUBANKS, James R.
EVANS, Bryan Wallace
FADDA, Walid Abdall Ibrahim
FARRAH, Kevin Bradley
FARRIS, Douglas Chandler
FERRALEZ, Jaime D.
FIELD, James W.
FINKNER, Lyle Gene
FISCHER, William George
FITCH, Henry Aguirre
FLEMING, William S.
FLINT, Quinnie Martinea
FLORES, Frank E.
FLORES, Jaime Madrid
FLOREZ, Gary Dominguez
FOIANI, Donald Louis
FOLKMAN, Lars
FORD, C. Quentin
FOREMAN, Harold Chub
FORREST, Robert G.
FOSTER, Arthur Mac
FOWLER, Barry Leigh
FOX, Terry Leroy
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FREDRICKSON, James Chris
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FREEMAN, Gordon Gary
FRENCH, Josiah
FRITZ, Marselle Howard
FRY, Julie Kay
FRYE, Gene W.
FULLER, Charles Michael
GALLEGOS, James Matthew
GALLEGOS, Lee Gustavo
GALLOWAY, Bruce G.
GALLUS, Timothy David
GAMBOA, Edward V.
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GARCIA, Alfredo Chavez
GARCIA, Carlos
GARCIA, Max Aguilar
GARCIA, William Chavez
GARDNER, Hugh R.
GARRETT, Jack Dean
GASS, Billy Gene
GAWRON, Michael James
GRIESEY, John M.
GIL, Gilbert Richard
GIOANNINI, Bryan Dean
GIOANNINI, Norma Grijalva
GLEN, Tommy P.
GODINA, Victor Manuel
GOLD, Joseph H.
GOMEZ, Fred C.
GOMEZ, Leroy Chavez
GOMEZ, Louis Richard
GOMEZ, Robert Eugene
GONZALES, Bobby Gene
GONZALES, Omega S.
GONZALEZ, Anatolio Jose
GOODMAN, Aaron L.
GORHAM, Richard Gale
GORMAN, David Reeves
GOSE, James Buncie
GOULD, Robert Leonard
GRACE, John William
GRACE, Sylvia Ann Meyers
GRANDLE, Steven Robert
GRAY, Russell Davidson
GREENE, Darryl Earl
GREENE, Doii Wray
GREENLING, Thomas Daniel
GREENEE, Galen Orrie
GRIFFIN, John Calvin
GROOMS, Donald Dean
GROOMS, William Edward
GRUBAUGH, Elston Kent

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GUADERAMA, Guillermo
 GUERRA, Juan Manuel
 GUNAJI, Mohan V.
 GUNDERSON, Eric Paul
 GUNTHER, Matthew James
 GUTIERREZ, Manuel Enrique
 GUTIERREZ, Steven Blas
 HAAS, Herbert Wallace
 HAINES, Daniel Clyde
 HALEY, Mack Wright
 HALLOCK, Michael John
 HAM, Christopher Von
 HAMILTON, Douglas W.
 HAMITER, Marvin Alvin
 HANSON, Steven Woodrow
 HARDIN, Stephen Frederic
 HARPER, Wayne Marland
 HARRIS, Aleta Tinkle
 HARRIS, Charles Jeffrey
 HARRIS, David Gregory
 HARRIS, David James
 HARRIS, James Edward
 HARSH, Rhett Matthew
 HARTELL, Harold Bradley
 HARTLEY, Carl Brazel
 HARVEY, James H.
 HASAN, Omar M.
 HASTINGS, Robert Martin
 HAYS, Michael Brent
 HAYS, Richard Allan
 HELLER, Marian Elizabeth
 HEMINGWAY, Donald F.
 HENDERSON, Loyd Douglas
 HENDON, Henry Lee
 HENDON, James R.
 HENDRICKS, Gary Robert
 HENRI, Francis William
 HENRY, Dennis Grafton
 HENSEL, Edward Charles
 HEROLD, Calvin Ray
 HERRERA, Adrian C.
 HESS, Fred J.
 HEYSER, Robert E.
 HICKS, Daniel
 HILL, Paul David
 HILLS, Richard Guy
 HOBBS, Edwin Wesley
 HOGUE, Thomas Gary
 HOLGUIN, Harry Aurelio
 HOLGUIN, Ramon Gonzalo
 HOLGUIN, Teofilo
 HOLMES, Gerald Wayne
 HONARVAR, Basseer John
 HOPPER, Connie Eideane
 HORAN, Sheila Gaunt
 HORAN, Stephen John
 HORN, Clifford R.
 HORST, Mark A.
 HORSTMANN, Paul Henry
 HOSSLEY, Debora Habing
 HOYLE, Karl Vine
 HUDSON, William Bruce
 HUDY, Barry Alfred
 HUFF, George R.
 HUFF, Kurt Elias
 HUFFMYER, Ernest Le Roy
 HUFFMYER, Evelyn Willis
 HUGHES, Patricia Riddle
 HUGHES, Sidney Edgar
 HULET, Lynn Lavon
 HUMPHRIES, Keith J.
 HUNGATE, Hollis Gail
 HUTCHINSON, Paul Alan
 HYDE, Anthony Maurice
 HYLAND, Lawrence William
 HYNEMAN, Walter Frederick
 IDRISSE, Roia Labban
 IRWIN, John Patrick
 ISHAK, Mazlan
 ISLAS, Stephen Wayne
 ISMOND, Frederick A.
 ITANI, Mounir A.
 JACKSON, Reginald (Randy)
 JACQUES, Darlene Marie
 JACQUEZ, Ricardo B.
 JAEDICKE, C. Dale
 JANER, Freddie
 JAQUES, Lawrence Daniel
 JAQUES, Leonard Anthony
 JARAMILLO, Gilbert D.
 JARAMILLO, John Albert
 JARAMILLO, Michael Ralph
 JARYNOWSKI, Robert John
 JEDLICKA, Russell Paul
 JENKINS, Woodie R.
 JESSUP, Donald Eugene
 JETT, Daniel B.
 JIMENEZ, Raymond
 JOHNSON, Gary H.
 JOHNSON, James Albert
 JOHNSON, Jeffrey Laine
 JOHNSON, Michael D.
 JOHNSON, Patricia Andrews
 JOHNSON, Revery Dean
 JOJOLA, Bernard Kenneth
 JONES, Roger Edgar
 JONES, William Wade
 JORAT, Saeed Mohammad
 KERSTING, William H.
 KEYES, Gary Doyle
 KHAN, Farid Ahmad
 KHATTAB, Abdul S.
 KILBY, William A.
 KILCREASE, James G.
 KILCREASE, James Perry
 KILLIAN, William R.
 KIMBEL, Barbara Lee
 KINCHEN, Gary Wayne

KING, Brad Alan
 KINGSLEY, William Harry
 KITTING, Leroy Grant
 KLEINE, James Daryl
 KLEINE, Louis William
 KOLIKANT, Jacob Y.
 KORD, Robert Leslie
 KOTOVSKY, Wayne Fraser
 KUENSTLER, Tonja Lea
 KUESTER, Paul Anthony
 KUO, Rong-Heng
 LACKEY, Dewey Dalton
 LANE, Cary Golden
 LANE, Floyd Ray
 LANE, Kenneth E.
 LARKIN, Rodney S.
 LARKIN, Timothy Harold
 LASHWAY, Clin Elton
 LAUGHLIN, Edward Nikolai
 LAUTERBACH, Kent Kevin
 LAWRENCE, Scott Gregory
 LEE, Eugene Don
 LEE, Mitchell David
 LEGARRETA, Eric Wayne
 LEWIS, Andrew Francis
 LEWIS, Charles Edward
 LEWIS, Vicki Sanders
 LEYENDECKER, Philip G.
 LILLEY, Daniel P.
 LINDER, John Lawrence
 LINDSAY, Michael Patrick
 LINDSEY, Gary Frederick
 LINDSEY, M.L.
 LINDSLEY, April Christine
 LINDSLEY, Stephanie Ann
 LOCKWOOD, Owen Glen
 LOCKYEAR, Robert Gordon
 LONG, Glen Andrew
 LONGWILL, Ben Leroy
 LOOMIS, William Jay
 LOPEZ, John Francis
 LOPEZ, Richard Maese
 LOPEZ, Valerio J.
 LOPEZ, Ysidro Perea
 LOU, Chih-Ming James
 LOYA, James Milton
 LUCERO, Gerald Dennis
 LUCERO, Jaime Lopez
 LUJAN, David Arnold
 LUJAN, Rene
 LUNSFORD, Oliver Ray
 MACCALLUM, Tracy Scott
 MADRID, Arlene Cardon
 MADRID, Clifford Dennis
 MAESE, Martin Mario
 MAESE, Thomas Paul
 MAGEE, Marvin Robert
 MANSUR, Shaiful Amri
 MARES, Sam
 MARLIN, David Hattis
 MARQUEZ, Frank Phillip
 MARRUFO, Joe Lawrence
 MARRUJO, Ruben Carlos
 MARRUJO, Tony Reynaldo
 MARSH, Jack Sterling
 MARSHALL, Richard Jo
 MARTIN, Clarence Edward
 MARTIN, James Atney
 MARTIN, John Daniel
 MARTINEZ, Carl David
 MARTINEZ, Edward H.
 MARTINEZ, Gilbert Thomas
 MARTINEZ, Steven Michael
 MARTOS, Luis Arturo
 MASSEY, Richard Gordon
 MASTERS, Alfred Dan
 MATHIS, James Franklin
 MATHIS, John Austin
 MATSON, Stephen Michael
 MATTHEWS, Charles Edward
 MATTHEWS, Larry K.
 MAUSER, Margaret Mary
 MAVEETY, Robert Ellis
 MAXWELL, Thomas
 MAYNE, Michael Dale
 MC CALLUM, Elizabeth Elser
 MC CARTER, Roger Tracy
 MC CARTER, Thomas Kirk
 MC CARTHY, William Charles
 MC CLANAHAN, Michael Charles
 MC CLENAHAN, Robert Louis
 MC CRAY, Karen Kayne
 MC CULLOUGH, David John
 MC CULLOUGH, Paul Joseph
 MC DOUGALL, John Phillip
 MC ELYEA, Ulysses
 MC KIM, Eugene Victor
 MCKINLEY, Robert Albert
 MC SHERRY, J. Keven
 MEADOWS, Omer Lee
 MEDINA, Daniel Roger
 MEDINA, Joseph Ronald
 MEERSCHIEDT, Jim G.
 MEERSCHIEDT, Stuart P.
 MEIER, John Richard
 MELTON, James Frank
 MENDEZ, Jose Rafael
 MENDEZ, Victor
 MENDOZA, Benjamin M.
 MENDOZA, Gilbert M.
 MERINO, John Lloyd
 MERRILL, Douglas R.
 MEYERS, David Scott
 MITTELRAAD, Roland P.
 MILLER, George W.
 MILLER, Jay Gregory
 MILLER, Vernon Lynn
 MILLIGAN, Michael Farrell

MINOR, Thomas Alan
 MISQUEZ, Rudy M.
 MITCHELL, Robert Earl
 MOHAMMADNEJAD RA, Mahmood
 MOLINA, Larque Anaya
 MONTES, Daniel Nicholas
 MONTES, Jaime Ostos
 MONTES, Ricardo
 MONTGOMERY, William Dove
 MONTOYA, John Thomas
 MOORE, Carl Roy
 MOORE, Philip
 MORA, Robert Anthony
 MORALES, Alma
 MORALES, Danny
 MORENO, Alfredo
 MORENO, Rene Rodriguez
 MORRIS, Richard Lee
 MORTEZAZADEH, Dolores Triviz
 MULHOLLAND, George Patrick
 MULHOLLAND, John Patrick
 MURPHY, James Dean
 MUTCHNIK, Andrew B.
 MUTCHNIK, Scott C.
 NAKAMAE, Kenneth Akira
 NAKAYAMA, Joe Hiroshi
 NEEDHAM, Kenneth Maxwell
 NELSON, John Lupton
 NEVAREZ, Steven Louis
 NEWSOM, Terry Wilson
 NEWTON, Barry Edward
 NOTEBOOM, Rodney Robert
 NUNEZ, James
 O'BRIEN, Sean Gerard
 ODOM, Roger Dwayne
 ORRANTIA, Roberto Aurelio
 ORTEGA, Charles Garcia
 ORTIZ, Luis Melisendo
 OSBORN, John Wendell
 OWEN, Brian A.
 PACHECO, Roman Alfredo
 PACZYNSKI, Alex Stephen
 PADILLA, Pablo Benjamin
 PAGE, Dennis W.
 PARISH, David William
 PARKERSON, Victor Ross
 PARNELL, Harley Herbert
 PATTERSON, Robert Cummins
 PATTNI, Arun Kumar
 PAUL, J. Michael
 PAYNE, Kenneth Wayne
 PAZ, Jerry B.
 PAZ, Mark Anthony
 PAZ, Michael Steven
 PENA, Vincent F.
 PERALES, Eric
 PEREZ, Jaime
 PERKINS, David Earl
 PETERS, Bryan David
 PETERS, Robert Lee
 PETERSEN, A. K.
 PETERSON, Douglas William
 PETERSON, Keith Alan
 PHILLIPS, John Haden
 PHILLIPS, Wilbert Howard
 PIETROS, Mussie
 PILAND, Doyle Dean
 PILLAR, Martin Joseph
 PLANTE, Barry Allen
 POLANCO, David Gregory
 POLVADO, Colman M
 POMPEO, Paul
 POWELL, Barbara Heard
 PRADO, David
 PROVENCIO, Gilbert
 PROVENCIO, Joe Humberto
 PROVINE, Charles Hulbert
 PROVINE, John Edward
 PROVINE, John M.
 PUENTES, Jose Cruz
 PUENTES, Ramiro
 QUALLS, Kirby Dwayne
 QUINLAN, Patrick Stephen
 RABY, Robert Allen
 RACHELE, Henry
 RAIHL, Phillip Raymond
 RAMIREZ, Rick A.
 RAMSEY, Darrell Lynn
 RANKIN, Deanna Lynn
 RANKIN, Randy Ray
 RATJE, James Paul
 REDDING, David James
 REED, Roger Clair
 REITER, Arthur Michael
 REOME, Mark Loren
 REVNELL, Michael Duane
 REYES, Orlando
 REYES, Theodore Rodriguez
 REYNAUD, Raymond Jack
 REYNAUD, Richard James
 REYNOLDS, Oris Edward
 RICE, Thomas Maddox
 RICHARDSON, Jill Alexandra
 RICHARDSON, Robert Peirson
 RICKETTS, Craig Ira
 RICKETTS, Holly Gordon
 RICKETTS, Paul Henry
 RIGHTLEY, Gina Sada
 RILEY, Robert Joseph
 RIOS, Luis Norman
 RIOS, Luis Chavira
 RIOS, Rinaldo
 RIVERA, Carlos Diego
 RIVERA, Floyd G.
 ROBINSON, Lloyd E.
 RODRIGUEZ, Larry Lucero
 RODRIGUEZ, Leroy Robert

ROMAN, Nathanael
 ROMERO, David
 ROMERO, Kenneth Nelson
 ROMERO, Samuel Frederick
 ROMNEY, Charles B.
 ROSE, James Daniel
 ROSENTHAL, Andrew Lewis
 ROSS, Judith Lee
 ROTHSCHILD, Randolph Russell
 RUFF, Derek Alan
 RUSSELL, John David
 RUST, Laura McSpadden
 RYAN, Robert Mark
 SACHS, Karen Elayne
 SALAS, Chris Edward
 SALAZAR, Jose Luis
 SALAZAR, Raymond Joe
 SAMMON, Donald Hugh
 SANCHEZ, Alfredo S.
 SANCHEZ, Carlos Jorge
 SANCHEZ, Fidel Nathaniel
 SANDBERG, Martin Craig
 SANDERS, Gerald Royce
 SANDERS, Shawnda Sue
 SANDERS, Travis Ray
 SAULSBERRY, Garen Jay
 SAULSBERRY, Regor Lee
 SCHAFFER, Dawson Michael
 SCHMERHEIM, Regis Arie
 SCHMIDT, David
 SCHRAMM, Wayne E.
 SCHUELLER, Dale Alan
 SCHUPPERT, Andrew J.
 SCHWEDE, Daniel Carl
 SELLS, Jimmy Wayne
 SEOUTEWA, Clayton Duanne
 SERNA, Gilbert Anthony
 SEVACHKO, Mark Daniel
 SHAFFER, Daniel Lee Glenn
 SHAFFER, Stephen Martin
 SHELLEY, Christophe Hayner
 SHIELDS, James Clifford
 SHING, Patrick Lai-Ming
 SHORT, Alan Mark
 SHOUMAN, Ahmad Radey
 SHUDER, Russell Marshall
 SIERRA, Rene Herrera
 SILVA, Adalberto
 SILVA, David James
 SILVA, Patricia Ann
 SIMPSON, Francis Brown
 SMALL, Catherine Cox
 SMALL, Martin Jay
 SMITH, Alexander
 SMITH, B. Wayne
 SMITH, Cloman Dewayne
 SMITH, Irwin Douglas
 SMITH, Jean H.
 SMITH, Phillip Ray
 SMITH, Robert J.
 SMITH, Spencer Timothy
 SMOKER, Kurt Alan
 SMORYNSKI, Ronald Victor
 SNOW, Louis L.
 SORENSON, Gary Arthur
 SPENCE, Tony Allen
 SPENCER, Charles Vernon
 STAGES, Andrew Hubert
 STAHMANN, Sally Anne
 STAUBER, William Paul
 STEINBERG, Theodore Aaron
 STOKES, Kirk William
 STROMAN, Leon Frederic
 SUTTER, Kevin Joseph
 SUTTON, William Bruce
 SWARTZ, Ari Ben
 SWARTZ, Edward James
 SWEEM, John T.
 SWICKARD, William Eugene
 TARANTO, Andre Robert
 TAYLOR, Alan Madison
 TAYLOR, Jeffrey Alan
 TEASDALE, Donald Monroe
 TEDFORD, John Wayne
 TEEL, Matthew Gary
 TELLES, David D.
 TELLEZ, Enrique Fresquez
 TELLEZ, Gilbert T.
 TESSIER, Eric Damon
 THOMAS, Jeff K.
 THOMAS, Peter J.
 THOMPSON, Mary L.
 TIDRICK, Darl Wayne
 TILLERY, Kevin Ray
 TOWNSEND, David Hudson
 TRAINA, Anthony R.
 TRUJILLO, Arthur Edward
 TRUJILLO, Bernice Ann
 TRUJILLO, John Edward
 TRUJILLO, Lee Duran
 TRUJILLO, Marie Annette
 TUCKER, Robert Lee
 TUCKER, Thomas Kent
 VAEZI, Naimeedin
 VALENTINE, Jerald Alan
 VALLEJOS, David Lee
 VALLEY, Michael Thomas
 VEGA, Richard Arnold
 VEHSTEDT, Robert William
 VEITCH, Robert Anthony
 VICK, Austin Lafayette
 VIRAMONTES, Michael Steven
 WAGNER, James Albert
 WAID, Fred M.
 WAISARA, Nimit
 WALDO, Greg Alan
 WALKER, Donald Francis
 WALKER, Donald Paul

WALKER, Edward Lee
 WARD, Catherine D.
 WARNER, Frederick Walter
 WATERS, James Braxton
 WATKIN, Horace Clayton
 WAUGH, Gregory Theodore
 WETTER, Hal Lee
 WIDMOYER, Timothy Fred
 WILCOX, Raylin Mitchell
 WILEY, Harry Carlton
 WILLIAMS, Carol Sims
 WILLIAMS, Daniel Scott
 WILLIAMS, Frank Von Phul
 WILLIAMS, James Harrison
 WILLIAMS, Leonard Douglas
 WINANS, Francis Newton
 WINCHESTER, Michael L.
 WITT, Charles Kirby
 WOFFORD, Joe Lee
 WOHLBERG, William Earl
 WOMACK, James William
 WOODBURY, Dene Mary
 WOODWARD, Clinton Benjamin
 WRASMAN, Duane P.
 WRIGHT, Clifford T.
 WRIGHT, Jonathan Craig
 WRIGHT, Randall Lynn
 WYGMANT, Dean Everett
 YALKUT, Carl Richard
 YARMLEY, Robert James
 YOUNG, David Beecher
 YOUNG, John Holmes
 ZANDER, Helmut George
 ZAPOTOCZNY, Joseph Chester
 ZEDIAK, Stephen Paul
 ZELLEFFROW, William Ken
 ZIEGENFUSS, Joseph Anthony

Las Vegas

BACA, Norbert Orlando
 BROW, Larry W.
 GALLEGOS, Arthur Vidal
 HOLDEN, Gordon Glenn
 JONES, David Everett
 LYSER, Louis Everett
 MADRID, Max
 MC ELROY, John Eugene
 PACHECO, Floyd Martin
 RUDOLPH, Joe
 SONCHAR, Wayne Paul
 TRUJILLO, Martin Victor
 WELLS, William C.

Ledoux

ABEYTA, Oliver Andrew

Lordsburg

ALLRED, Robert Charles
 GONZALES, Andrew
 GUZMAN, Frank Estrada
 LASATER, Tracy Joel

Los Alamos

ALEXANDER, Lon Ferguson
 ALLEN, John David
 ALLEN, John Patrick
 ARAGON, Ezekiel Daniel
 BACASTOW, Jack Leroy
 BAKER, Larah
 BAKER, Stuart A.
 BARTHOLOMEW, Robert J.
 BICHER, William Nourse
 BOISE, Otis W.
 BOWDEN, Beverly Suzan
 BOWYER, Carlton Andrew
 BRAKE, Thomas Leland
 BRESHEARS, John Edward
 BROD, Ronald Eugene
 BURNS, Michael James
 BURNS, Shawn Patrick
 BUSH, Edgar Davis
 CALL, Darrell L.
 CAMILLO, Roger G.
 CARMAN, Thomas Martin
 CHAPMAN, Lonnie Burns
 CHESNEY, Herbert A.
 CHORN, Michael Granville
 CLEVELINGER, Michael Joseph
 CLOUSER, William Sands
 COLE, Thomas E.
 COLLEMAN, Joe E.
 COLLIER, James Dale
 COLLIER, Michael Wayne
 CORN, Harold E.
 CORT, Robert M.
 DAVIDSON, Rich Frank
 DEHAVEN, Russell A.
 DES JARDIN, Robert L.
 DOLIN, Ronald Michael
 DONAH, Bobby Joe
 DRAKE, Daniel F.
 ELLARD, Kirk Oswald
 ENGLAND, Rebecca Lee
 ERPENBECK, Stephen Anthony
 FERRAN, Robert Isidore
 FISHER, Timothy Thomas
 FISHER, Karl Albert
 FORREST, Robert P.
 GALLIMORE, Bradford Frank
 GILLISPIE, Ben J.
 GILLIS, Kathleen Ann
 GILLIS, Robert Everett
 GILLIS, Robert James
 GINSBERG, B. Pruitt

GEOGRAPHICAL LIST

GONZALES, Gloria Martinez
GRITZO, Russell Earl
HAMMER, Charles Frank
HEDGES, Robert Orrin
HEMPHILL, Douglas Allen
HEMPHILL, Richard Lee
HEMSING, Willard F.
HOCKADAY, Robert Glenn
HOLLAUBACH, John Stephen
HOLMAN, Clifton Ray
HOOTEN, David T.
HOWARD, Steve Glen
HSU, Albert Hsueh-Li
HUTCHINSON, William Bertel
IRELAND, John Richard
JAEGER, Dwight L.
JOHNSON, Jeffrey Bryan
JOHNSON, Mark Dana
KEDDY, Christopher Paul
KEDDY, Edward S.
KELLEY, Patrick Alan
KENYON, Merrill E.
KING, Charles Christophe
LITTLE, Robert M.
LITTLETON, Paul Edward
LUCERO, Donald
LUCERO, Ronald Ernest
LUNSFORD, Wayne Oliver
MATTESON, Milton Allen
MC CORMICK, Jacqueline Burt
MILLER, James Russell
MILLER, Mark Ray
MORRIS, Duard Ione
MYERS, Brian Richard
NEWTON, Clay Spencer
ODELL, Karen Allene
ODOM, Cannon Ray
ORTEGA, D. Chris
PACHECO, David John
PACHECO, James Edward
PARKER, Larry Eldon
PARKER, Ronald Brook
PAYNE, Thomas Weldon
PELZER, William Fredrick
POLLAT, Scott Lewis
RAWOOL, Mohini Waman
ROBINSON, Terrance Dee
RUMINER, John Jay
RYAN, Dorotheine Brooks
SANCHEZ, Leroy D.
SANDOVAL, Donald Leon
SANDOVAL, Peter Paul
SHIPLEY, Gary Don
SHIPLEY, James Parish
SIMS, James Rae
SMITH, Christopher Wayne
SNIDER, Ken Todd
STANLEY, Patrick McDow
STEPHENS, Douglas C.
STEVENS, Thaddeus Casimir
STEVENS, James C.
STEWART, Walter Finley
STOKES, Kyle Brian
STOKES, Kyle Robert
STONE, Timothy Amos
STRETZ, Larry A.
STRICKFADEN, Gerald Ernest
TEGMEIER, John Arthur
THOMPSON, Tim Carroll
TOLMIE, Don Eugene
TRUJILLO, David Arthur
TRUJILLO, Leonardo T.
TUCKER, Jeffrey Kenneth
ULIBARRI, Michael David
WRIGHT, Westley Ronnie
WYANT, Thomas Robert
WYRICK, Milton Desmond
ZERWEKH, William David

Los Lunas

ARAGON, Joseph Libby
CARD, Tom H.
CATES, David Lee
CHAVEZ, Kenneth Vincent
CHAVEZ, Michelle D.
CHAVEZ, Yvaughn Victoria
COST, Thomas B.
FISK, James W.
GURULE, David Andrew
HACKER, William Lee
JAMESON, Eimer Eugene
JARAMILLO, Eugene E.
JARAMILLO, Fred P.
MARQUEZ, Arturo A.
MILLIGAN, Roy Glenn
MURPHY, Richard Tigner
ORONA, Jose Valentin
RICHARDSON, Gary Lee
SANDOVAL, Josefita Baca
SANDOVAL, Ronald Steven
SENA, Matthew David
SILVER, Robert Joseph
STINEBAUGH, Robert Eugene
TILLMAN, Nolan Virge
TOGAMI, Robert Masao

Livington

CAMACHO, Isaac
DIMSHA, Alan R.
DIMSHA, Stanley J.
NORTHTRIP, Richard Nelson
WOOLLARD, Bruce Robert

Lumberton

MARTINEZ, Daniel Adam

Magdalena

TORRES, Vivian Louise
WELLS, Forrest Harmon

Maljamar

SNOW, Samuel Leman

Mayhill

MERSHON, William F.

McAlister

LEE, Randy Blake

McIntosh

MC KEE, Phillip Russell
MORALES, Gustavo

Melrose

ADAMS, Charles D.

Mesilla

CAMPBELL, Walter H.
CLAYSHULTE, John K.
CLAYSHULTE, Nelson
FLOYD, Judith Boyd
GLASS, Martha A. Garcia
GRIFFIN, John David
HERNANDEZ, Eddie F.
LUCERO, Miguel Ybarra
MORGAN, Gina Annette
REYNOLDS, Richard John
REYNOLDS, Robert Grayson
SAENZ, Raymond Lujan
SANCHEZ, Juan
SEGURA, Rodolfo
TELLEZ, Ramiro
WILLIAMSON, Jill Marie Nissen

Mesilla Park

ABERNATHY, George H.
ABERNATHY, Robert Lloyd
AGAR, Karl Heinz
AUSTIN, Kirk J.
BACA, Larry Joseph
BROOKS, Steve Wyatt
BUCKMAN, William Joseph
CARVER, George Leroy
CLINE, Paul Richard
CONNOR, Carlton Lee
COOK, Terri Louise
COX, Michael Dale
DOMINSKI, Stanley Stephen
FLORES, Eliseo Delgado
GARCIA, Gabriel S.
GARCIA, Raul Sanchez
GARCIA, Silas E.
GAUGHAN, Edward David
GILCREASE, Arthur Albert
GONZALES, Debra Ann
HARKEY, Warren Byrn
IGLESIAS, Evelyn Sue
LARSEN, Carl Fredrick
LIVINGSTON, Leon Arnold
LOPEZ, Manuel Morales
LYTTON, Oscar Paul
MARMOLEJO, Jesus Alfonso
MISQUEZ, Joseph Edward
MOHAMMADI, Ziaeddin
MONTROYA, Marko Rodolfo
MOYA, James Valenzuela
NEVAREZ, Frank Vielma
PERKINS, Gary Thomas
PIERCE, John Calvin
POMPEO, Paul James
PRICE, Raymon E.
PRIESTLEY, Thomas Vernon
PROVENCIO, Yvette Anne
QUINONES, Lubin M.
RAY, James Loyed
SALINAS, Jose Alejandro
SCANLON, Terence George
SCHMIDT, Edwin Arlis
STOLTZFUS, Joel Monroe
THOMAS, James Lon
THOMAS, James Lon
TREVINO, Martin
VERPLOGEH, John Thomas
WATERMAN, Alexander
WELCH, Holly Ann
WIESE, Donald H.
WILLOUGHBY, Roy Blair

Mesilla Park

DORSEY, Alisia Marie

Mesquite

CHAVEZ, David Blas
DUARTE, Carlos
DUARTE, Richard Melendrez
HOLBROOK, Donald Ray
HOLGUIN, Luis A.
HOLGUIN, Ray Andrada
YANEZ, Raul Sandoval
YBARRA, Jose Tellez

Mesilla Park

DORSEY, Alisia Marie

Mexican Springs

BITSIE, Joseph
BITSIE, Sandra

Milan

FREAS, Walter J.
GONZALES, Daniel
HITE, Gene Pascal
PATTERSON, Jerry John

Mimbres

RIGNEY, Reginald Healy

Mora

ROMERO, Edith Elaine
ROMERO, John Thomas
VELARDE, Dwight Dean

Moriarty

THOMPSON, Virgil Paul

Mountainair

HEWETT, Kenneth M
ONEY, Mickey Day

New Laguna

MOONEY, Gwendoly
SARRACINO, Phillip Donald

Nogal

CANTRELL, James B.

Organ

FOUNTAIN, Charles Wilson
MC CLELLAN, Harrell Lee
PLUMMER, Roy Frank
REMLEY, Dennis Michael
VAUGHN, Otha Jane Chandler
WEISNER, Craig Richard

Pecos

POLAGE, Randy Lee
VARELA, Rodney Robert

Penasco

MAESTAS, Jose George
MARTINEZ, Joe Eusebio

Peralta

TRUJILLO, Paul Edward

Placitas

GREEN, Jayson Dee
PRALL, Kirk Dwight
PRUITT, John Ray
RANDLE, George Wesley
VREEKE, William Leonard

Pojoaque

MARTINEZ, Walter E.
MOORE, John Wiley
TRUJILLO, Romeo Orlando

Portales

BARNETT, Daniel Arthur
BOOTH, J. Steven
OBENHAUS, Randell Wayne

Prewitt

FREYMILLER, James Evan
VANDEVER, Jerry Lee

Pueblo of Acoma

FELIPE, Dennis Henry

Questa

ORTEGA, Lawrence Andrew
ORTIZ, Marc Richard
PRADO, Raymond Paul
SANCHEZ, John H.
SANCHEZ, Manuel Daniel

Radium Springs

MC DONALD, Gary Wade

Ranchos De Taos

CHAVEZ, Ricardo Horacio
GALLEGOS, David J.
MONDRAGON, Richard J.
RIMBERT, Yvette Carmen
VALERIO, Andrew Michael
VALERIO, Max Eloy

Raton

ATWATER, David Frank
BAKER, Thomas Moore
BERRY, Kenneth Scott
GARCIA, Frederick Theodore
HARRIS, Robert David
HONEYFIELD, Eric Lee
MAIN, Frank Norman
MILETA, Pete
ORTIZ, Joseph William
PFEIFFER, Richard Scott
SANDERSON, Joel Chalmers

SCHEAFER, Charles Robert
SHUBERT, Tom Ray
SMITH, Seth Arthur
SOLANO, Ted M.
STOLARCZYK, Larry George
WINGO, Franklin James

Red River

CLARKE, Gratton C.

Regina

CAMP, Jimmy Dean

Rehoboth

HENRY, Corwyn D.

Rincon

GARY, Hollis E.
KENNEDY, Virginia Heidi Beck

Rio Rancho

ACOSTA, Ray
ADAMS, George Muldrow
AKINS, Karen Marie
BRILEY, Joseph Henry
CATANACH, Steve John
CONNOR, William Roby
CORDOVA, Arthur
DE LARUE, Imelda Atencio
DRISCOLL, Timothy Paul
FOWLER, Steven Frank
FREDERICK, John Lawrence
GARCIA, Elias Saenz
KUTAC, Chris J.
LEONG, David John
MC FARDEN, Cary Alan
MC KINLEY, Mark William
RIOS, Richard
ROCHA, John E.
SHAHROKH NASAB, Mohammad Jaffar
SMITH, Joel Benjamin
SORIANO, Daniel Reuben
SULLENS, David Henry
TORRES, Ned Luis
VASQUEZ, Evelyn Romero
VASQUEZ, William Edward
WALL, William Dean
WILSON, Scott Alan

Rodarte

ROMERO, Patrick Fabian

Roswell

ALVARADO, Carlos Ramon
ARNOLD, Roby Lynn
ATKINS, Jackie D.
BJORGE, John A.
BOEHLER, David Francis
BOWLBY, Karen Louise
BRANNEN, James R.
BURKSTALLER, John E.
BYRD-HUMPHREYS, Kathryn
CHESTER, Peter Winston
CIBAK, Richard C.
COLLIER, Kandi D.
COOPER, Roger Lee
CORREIA, Osborne John
D'ABADIE, Alan E.
DICK, Thomas E.
DITTO, Donald Douglas
DOMINGUEZ, Alvin Carrasco
DOYAL, Robert Floyd
DOYAL, Sam Howard
FALCONI, Louis J.
FITZPATRICK, John Joseph
FLOWERS, Alvan B.
FULKERSON, Benjamin Rayford
GILL, James F.
GILL, Walter
GRAVES, Clifford Lester
GUSS, Gary Lyn
HALEY, Todd Randall
HAMILTON, Brent Ray
HANSON, Barry Wayne
HELMSTETLER, Douglas Gene
HICKMAN, John Thomas
HISE, Lawson Evans
HOLLOWAY, Chalmer O.
HOLLOWAY, Wesley Allen
HORN, Gary Lane
HUDDY, Wayne Richard
HUTCHINSON, Scott Alan
JAQUESS, John Darrell
JOHNSON, Arthur Bernard
JONES, Durwood Lee
KAMPSEN, Chris Joel
LANDFAIR, James Harold
LARA, Anthony Jessie
LARA, Jose Gonzales
MANN, Thomas J.
MEDRANO, Louis James
MEEKS, Jimmy Lee
MOABED, Mohammad Hassan
MOATS, Dan Stuart
MONTGOMERY, Glen E.
MORRIS, James Lee
NELSON, Morgan
PATTON, Phillip Randolph
PATTON, William Gordon
RAGSDALE, Luther Paul
RAGSDALE, Ralph Hairston

NEW MEXICO

SANCHEZ, Joseph Edward
SMYZENSKI, Robert Joseph
STOREY, David Martin
STUBBS, Bruce Allen
VAN PELT, William Lee
WILLIS, Frank Allen
WOLF, Christopher Wade
WOLF, David William
WRIGHT, James Irvin

Ruidoso

CHAMBERLIN, Robert Scott
COLE, Pamela Shreffler
HARLAS, Randal Ray
KANNADY, Kyle
LANE, Greg David
TROUT, Paul Herbert

Ruidoso Downs

SANCHEZ, Kim Ann

Salem

BREWER, James Joseph
PARNELL, Kirk Edward

San Antonio

BACA, Allen G.

Sandia Park

ANDERSON, Mark Ubbe
GIBBS, Douglas Owen
GOERTZ, Grandon Lamont
PETTIT, Joseph Randall
SKINNER, Carol Denise
WEISS, Chris Lehman

San Juan Pueblo

GRIEGO, Juan Lawrence
MARTINEZ, Juan Arsenio
VIGIL, Charles Elmer

San Lorenzo

MONTROYA, Robert Galaz

Sanostee

LEE, Lester Ray

San Patricio

SANCHEZ, Aron M.
SANCHEZ, Jerry Robert

Santa Cruz

GALLEGOS, Ernie C.
LIVERMORE, Douglas Lee
MAES, Robert G.

Santa Fe

ALBA, Luis Xavier
ALEXANDER, William Charles
AMESQUITA, Jesus Manuel
ANDERSON, Roger Charles
ARANDA, Nicholas Ray
ARNOLD, Deane W.
AUSTIN, Thomas Wayne
BACA, George P.
BAILEY, Frank J.
BALLING, John A.
BARBEE, Charles H.
BAROLA, Joseph Bennie
BARNES, David Lyle
BEGINSKI, Joseph Guy
BENNETT, Sheldon A.
BLEA, Daniel Arthur
BORREGO, Ricardo Roberto
BREESE, Kent William
BROMILOW, Neil Frank
BUSTAMANTE, Santiago Jose
CASTANEDA, Daniel
CATANACH, David Ramon
CATANACH, Elaine Danette
CATANACH, Joseph Anthony
CATANACH, Richard
CATANACH, Richard Anthony
CATANACH, Steve D
C DE BACA, John Manuel
CHAPARRO, Albert L.
CHAVEZ, Calvin
CHAVEZ, Henry
CHAYIRA, Hector Vasquez
COOPER, Dennis R.
COPELAND, Lee Roy
COSS, James Fredrick
CUNNINGHAM, Harold D.
DOMINGUEZ, Thomas Anthony
ESPINOZA, Kenny Lee
FEATHER, Bernard Robert
FERNS, Lawrence J.
FORMEA, John Thomas
GAINES, Ronald Eugene
GALLEGOS, Cenobio Herbert
GALLEGOS, Jose Roman
GARCIA, Gerald Anthony
GAVURNIK, Martin Alan
GONZALES, James Paul
GONZALES, John Robert
GONZALES, Michael Anthony
GONZALES, Viola
GRAY, Duane Albert

NEW MEXICO

GRAY, John David
 GRIEGO, Edwin Vincent
 GRIEGO, Fernando Gabriel
 GROSECLOSE, Jay Cary
 GUTIERREZ, Darryl James
 GUTIERREZ, Pablo Joseph
 HAMKE, Eric Ehrhardt
 HANDS, James Andrew
 HARRIS, Herbert L.
 HERRERA, George Anthony
 HINCKLEY, Jon Eric
 HORNE, Jack Goddard
 HORNE, Jack Michael
 HOSKINS, Earl Clifford
 HUNT, Shelberdee Calvin
 HYDE, Edwin Michael
 KOGLIN, Thomas John
 KRAMER, John Frederick
 LANSFORD, Tyson Calvin
 LOPEZ, Frank Edward
 LOPEZ, Kenneth M.
 LOPEZ, Larry Gordon
 LOPEZ, Thomas Adrian
 LUCERO, Edmund R.
 LUJAN, Joseph Andrew
 MADDOX, Robert Logan
 MANNING, Michael Clifford
 MARRS, James August
 MARRS, Olean Neal
 MARTINEZ, Alex
 MARTINEZ, Eluid Levi
 MARTINEZ, Gerard A.
 MARTINEZ, Leroy Ernest
 MC GINNIS, Paul Edwin
 MIER, Steve Gilbert
 MONTOYA, Daniel Paul
 MONTOYA, Gerard Anthony
 MONTOYA, Gilbert Anthony
 MONTOYA, Patrick Manuel
 OLMSTED, John Davies
 ORTEGA, Christopher Armando
 ORTIZ, Anthony L.
 ORTIZ, Edward Frank
 ORTIZ, Jose Carlos
 ORTIZ, Thomas Anthony
 PACHECO, Leroy Nicholas
 PACHECO, Louie Henry
 PACHECO, Robert John
 PADILLA, Dan Nino
 PARDINGTON, Chris Todd
 PERALTA, Dennis
 PEREA, Jacob Anthony
 PERRY, Lon Byron
 PINO, Isaac Jacob
 PINO, Thomas Joseph
 POST, David Julian
 PRICE, Delton Wayne
 RAEL, Gilbert David
 REILAND, Louis Jack
 RICHARDSON, Noel Martin
 RIVERA, Cynthia E. Griego
 RODKE, Russell Richard
 RODRIGUEZ, Stephen Michael
 ROMERO, Albert Manuel
 ROMERO, David Elizardo
 ROMERO, John R.
 ROMERO, Joseph I.
 ROMERO, Phillip Ronald
 ROMERO, Vicente Jose
 ROYBAL, David Ronald
 ROYBAL, Gary Gilbert
 ROYBAL, Paul Clavin
 ROYBAL, Richard Bernard
 ROYBAL, Richard Santos
 SALEHIAN, Hossein Dardashti
 SANCHEZ, Domingo
 SANCHEZ, Jose Daniel
 SANCHEZ, Manuel Raul
 SANDOVAL, John P.
 SAYRE, Douglas Martin
 SCHWEBKE, Steven Delaine
 SERNA, Carl Eugene
 SERRANO, Ramon Joseph
 SHAULL, Anthony Allan
 SKAGGS, Samuel Robert
 SLINGERLAND, Carl Leroy
 SMITH, Brian Timothy
 SOLTERO, Fred Casares
 SORROCHE, Joseph John
 SPRING, Don E.
 STAMM, Craig Baldrige
 STETINA, Thomas John
 STOCKTON, Gail Rapparlie
 STORR, Lloyd Neel
 STUART, SamGunter
 STUMPF, Ralph Grover
 TAPIA, Ralph Onesimo
 THOMAS, David Reveal
 TILLMAN, Jerry Ray
 TORREZ, Fred Chavez
 TRUJILLO, David Julian
 TRUJILLO, Eduardo
 TRUJILLO, Harold J.
 TRUJILLO, J. Antonio
 TRUJILLO, Johar Thomas
 TRUJILLO, Julian Robert
 TRUJILLO, Theodore J.
 TURNER, Thomas Charles
 TURNER, William Forbes
 VAIL, Robert Andrew
 VALDEZ, Levi Jose
 VIGIL, Alexander Clyde
 VIGIL, Carlos Frutoso
 VIGIL, Michael Lawrence
 WATKINS, Todd Anthony
 WATTS, Craig Ellis
 WILLIAMS, Robert Dean
 WINTON, John D.

YAEGER, Alan Richard
 YUARTE, Edward
 ZAGONE, Paul Andrew
 ZUNIGA, Albino Orona

Santa Rosa

ARIAZ, Arthur David
 BACA, Herman D.
 GARCIA, Delbert A.
 SISNEROS, Severiano Kard

Santa Teresa

JOHNSON, Winston A.
 MARRASCO, Robert Ismael
 TYREE, Norman Gerald
 WRIGHT, James Rogers

Santa Thersea

PEREZ, Jesus Jose

Sante Fe

LO, Yuh Ming

Seboyeta

JARAMILLO, Richard

Sedan

ASCHBACHER, Arthur L.

Sena

GALLEGOS, Donald James

Shiprock

LAMEMAN, Geraldine
 SILAGO, Jeffrey Wayne

Silver City

ALLGOOD, Richard Alvin
 BARRAZA, David Perez
 BARRIOS, Joe Anthony
 BLANTON, Allen Duane
 CALKINS, Gilbert Wayne
 DOVE, Gary La Verne
 FLEIG, Jane Ann
 FORD, Glenn Mac
 FULLER, James R.
 GATTON, Jerry Francis
 GOSE, Grant Randall
 GROVER, James Wesley
 JACOBS, Gene G.
 KELLY, Lynn Sue
 LOPEZ, Armando V.
 LOREN, Robert Bruce
 LYNCH, Stephen Douglas
 MC GEE, Mindon Manitou
 MONTOYA, Michael Anthony
 MONTOYA, Victor Joseph
 MOORE, Billy Le Roy
 NEHER, Douglas Leland
 PAVLAKOVICH, Henry Jay
 QUINTANAR, Gerard Joseph
 ROWLEY, George Wallace
 SCHWANTES, Mark Andrew
 SENSANBAUGHER, Ray Scott
 SHELLEY, Thomas R.
 SMITH, Tilmund Wade
 STEYSKAL, Raymond Francis
 TESTER, James Charles
 THOMASON, William Taylor
 TORREZ, Samuel L.
 WITTHAUER, Peter T.

Socorro

BACA, Ted Milton
 BELKIN, Peter Casey
 DENNIS, Raymond Lee
 DORR, Robert E.
 DUNSWORTH, Jeff Lynn
 PETENCIN, Gerald Bradley
 SWEDBERG, Heather Ann
 TAFOYA, Albert Leroy
 VEGA, Guadalupe
 WAGGONER, Michael G.

Springer

SANTISTEVAN, Bernadine Ann

Sunland Park

BOBADILLA, Laura Elena
 GARCIA, Manuel Agüero
 LOZANO, Ramon A.
 MARQUEZ, Robert
 ORTEGON, Jesus
 RODRIGUEZ, Jose Rene
 SOLIZ, Gustavo Garcia
 VILLALOBOS, Guillermo
 VILLALOBOS, Rigoberto Yanez

Taos

CHAVEZ, Joaquim Blas
 GARCIA, Raymond M.
 GUTIERREZ, James Marcus
 LE DOUX, Lee Fred
 LUCERO, Louise Mercy
 MAESTAS, Joseph Robert
 MARTINEZ, Robert Andrew
 MARTINEZ, Ruben Francisco

MEDINA, Anthony James
 MIERA, Fernando R.
 PACHECO, Stephanie Denise
 REYES, Luis Armando
 SANCHEZ, Alfred Joe
 TRUJILLO, Margarita Teresita
 VIGIL, Hipolito Esteban
 VIGIL, Orlando David

Tesuque

SHUTE, Horton Boutell

Texico

BROWN, Marion A.

Thoreau

SANDOVAL, Leonard Ramon
 SMITH, Denise Jo

Tierra Amarilla

ESQUIBEL, Robert

Tijeras

DAWSON, James Curtis
 HAMRICK, Daniel Richard
 LOWERY, Fred B.
 LUNA, Donald Clinton
 MAGEE, William Joseph
 MISZKIEL, Mark Edward
 QUERY, Dale Gene
 SORROCHE, Elizabeth Huffman
 SPANOGLE, Dennis Emmert
 STARKOVICH, William Anthony
 WALTERS, Steven Craig
 WARNOCK, George Forrester
 WEEMS, Don Thomas

Tohatchi

YAZZIE, Aneva Jean
 YAZZIE, Norman Russell

T or C

CARLTON, Robert Steven
 COOK, Gary Wayne
 GLINES, Silas J.
 GOAD, Scott Dwight
 HRABAK, Robert C.
 PADDOCK, Frederick William
 SEDILLO, Billy Aurelio
 SENN, Samuel Jeffrey

Truchas

SANDOVAL, Curtis Alden
 SANDOVAL, Darryl Philip

Truth or Consequen

HANSON, Galan Keith

Tucumcari

ANDERSON, Gilbert Alan
 BRASHEAR, Kenneth Floyd
 EVETTS, Robert M.
 FRICK, William F.
 HECKENDORN, Harry C.
 ROMERO, Carlos Thomas

Tularosa

BACA, Cedric Michael
 BILLUPS, Ernest E.
 FRITZ, Duwayne Lee
 LACKEY, Roy Bill
 MYERS, Jack E.
 O'HARA, James Francis
 STODGEN, Donald Ray

Tyrone

NEVINS, Michael D.

Ute Park

GRAY, Grant Wendell

Vado

HOLGUIN, Alfredo C.
 HOLGUIN, Luis Jaime
 HOLGUIN, Ricardo Chaparro

Vanderwagen

MURPHY, Richard Daniel

Velarde

MARTINEZ, Frances Au. Garcia
 ORTEGA, Diana Elizabeth

White Rock

FAIRCHILD, Charles I.
 MERHEGE, James Fidel
 WOOD, Warren T.
 YARBRO, Stephen Lee
 YARBRO, Tresa Halford

Williamsburg

SULLIVAN, Edward Joseph

NEW MEXICO STATE - COLLEGE OF ENGINEERING

Wsmr

HARVEY, William Marion
 WRIGHT, Robert G.

Zuni

CHUYATE, Rolena J.
 TOWNSEND, Henry
 WYACO, David Wayne

NEW YORK

Apalachin

JESKE, David William

AP0

TRAINA, Christopher Leonard

AP0 New York

ALBERT, Gayle Ann
 KEMP, Kevin Darr
 KURTZ, Robert Carl
 MALLERNEE, Jerald Thomas
 MARTINEK, Robert Jay
 ROBERTS, Kenneth Wayne
 SANCHEZ, Jose Miguel
 SCHNEIDER, Dorothy Pexton
 VALDEZ, Ivan Benedict

AP0 New York

O'BERRY, Carl Gerald
 SIMS, George E.

Babylon

OEI, Lian Siang

Beechhurst

FICUCIELLO, Anthony M.

Bemus Point

FULLER, Donald F.

Brentwood

CAMBRIA, Joseph Anthony

Brockport

REYNOLDS, Michael W.

Bronx

GILES, Darryl Richie

Brooklyn

KASSIS, Diana Yacoub
 NOREEN, Darryl Lee

Cortland

COX, Thomas Wayne

Eastchester

DINGER, Raymond Otto

Fairport

MORTON, John Steven

FPO New York

DUARTE, Jesus E.
 GARCIA, Vicente Chavez

Glens Falls

GRANGER, John Richard

Hamburg

DRANKHAN, Voit Christian

Hartsoale

GERETY, William Joseph

Lancaster

ZEFERJAHN, Ernest

Middletown

BULL, Stephen M.

New Paltz

DESAL, Kartik Kanubhai

North Syracuse

WORMALD, Lawrence Willis

Owego

POE, Michael Travis

Pearl River

PATERSON, Britain MacIntyre

Port Chester

DI SANTO, Salvatore

Potsdam

THACHER, Eric Forsta

Rexford

SKEVINGTON, Craig Richard

Rochester

COLE, Brian Douglas
 HITT, Raymond Thomas
 MARTINE, Cynthia Ann
 YARAVITZ, Jerry None

Roslyn Heights

MC COOK, John E.

Schenectady

JONES, Newton Daniel

Scotia

BEATY, Leslie H.
 GLOVER, George Frederick

Speigletown

GUTIERREZ, Carlos I.

Staten Island

HUSEIN, Khaled Tawfiq

Syosset

GOLDBAUM, Seymour A.

Troy

JONES, Richard Allen

Valatie

THOMAS, Alvin David

Vestal

FISH, Gary Arthur

Warwick

SALEM, Hany Antoine

Waterloo

MITCHELL, Wilson Earle

West Carthage

ANDERSON, Richard A.

Woodbury

PANG, Chung H.

Yonkers

LANDI, Anthony Michael

NORTH CAROLINA

Brevard

FOGLE, Robert E.

Cary

STEPHENS, Mark Douglas

Charlotte

PICKENS, Jack E.
 RUHE, Thomas Wayne

Davidson

COX, Charles Milton

Fayetteville

CHAPA, Jose Gerardo

Greensboro

FRIEDRICH, Mark Allen
 O'NEAL, Charles L.

Hendersonville

JENNINGS, Don Roy

Monroe

PONTON, George Evan

Newell

WANG, Pao-Lien

Raleigh

BLEVINS, Billy D.
 COLSTON, Elbert W.

GEOGRAPHICAL LIST

DAY, Patty Ann Clanton
DAY, Robert Dean
DRIBELBIS, Norman C.
MARKS, Laurence Victor
VINCENT, Edwin John
WOFFORD, Larry Joe

Randleman
DAY, Robert T.

Swansboro
FROM, Kendall T.

Washington
PYBURN, John Raymond

Waynesville
FOWLER, Robert W.

Winston-Salem
RECTOR, Phillip Rene
WILLIAMS, Cody Da Voe

NORTH DAKOTA

Bismarck
HORNSTEIN, Searles Monroe
ISLER, Charles Richard

OHIO

Akron
ROLLINGS, Robert Bruce

Batavia
GLADISH, Donald P.

Beavercreek
CHAFFIN, Harry J.

Cardington
ROBINSON, Jasper Foy

Centerville
HOPF, Philip Wendel
NELSON, Steven Michael

Cincinnati
BARROW, William L.
DUNKELMAN, Jay Arnold
MEIER, Robert David
SEPELA, Michael J.

Columbus
BRINKLEY, Timothy John
HOLTMAN, James Patton
LANG, Timothy Joel
NICHOLSON, Howard Charles
ROJAS-TERAN, Roberto Guido
SMITH, Samuel Harrison

Dayton
BACUE, Ralph Henry
CHILDS, Gerald Dale
HOEFT, John David
JACOBS, Don E.
JONES, Thomas Jefferson
RYALL, Peter Newton
SANDERS, Bobbie Kent
SCARBOROUGH, Eric Lewis
SEWARD, Walter D.
STANFORTH, David Harry
TORRES, Manuel Tony
WHEELER, Jon Arthur

Dublin
GOYAL, Satya N.

Enon
KUMBUSKY, Frank C.

Fairborn
FREDERICK, Bobby Joe
WRIGHT, Charles Roy

Fairfield
BARKER, Tamara Brantley
CRAIN, Jim G.

Findlay
YANUS, James R.

Fostoria
CLARK, William P.

Grove City
ALEXANDER, David Allen
LARSEN, Edward Martin

Huber Heights
WINTERROWD, David Gene

Lebanon
CUNNINGHAM, Marvin H.
MC CONVERY, John Clarence

Lima
GASPERETTI, Robert L.

Loveland
SMITHHISLER, Joseph Arnold

Mentor
STOLL, Douglas Daniel

Mogador
GRIFFIN, Marcus Eugene

Munroe
VYAS, Dineshchan Rasiklal

Newark
PETERSON, Eldon Edward

Old Fort
MAES, Rudy Joe

Oxford
HERBET, Albert John

Painesville
GREEN, Thomas Andrew

Portsmouth
LARTER, I. James

Reynoldsburg
COLLIER, John Edward
WIDLICKA, Robert Allen

Shaker Height
PHILLIP, Bradley

Shaker Heights
PARR, Lloyd Ray

Strongsville
ASHER, Girish Tulsidas
BOGART, Albert Ray

Swanton
DAY, Michael Patrick

Tipp City
SLY, James Michael

Toledo
LUMSDAINE, Edward

Twp Fairfield
MC NAUGHTON, Clark Arthur

Uniontown
SMITH, John M.

Wadsworth
TISLER, Andrew Louis

West Chester
FENWICK, Danny Lee
JOHNSON, Jimmie Ronnie
LANDRETH, Robert Eugene

Westerville
ANDERSON, David L.

Wilmington
ROSE, Edward Lawrence

Wooster
FITCH, Archer Graham

Yellow Springs
LAYFIELD, Warren Allen

OKLAHOMA

Bartlesville
BOGGS, Elizabeth Benham
BUSH, Bruce Ashby
BYRON, John W.
HOFFMAN, Clarence Woodward
HUGHES, Thomas James
LEMONS, Douglas Howard
MATHIS, Stephen Gerald
MORRISON, Eric Jed
MULLOY, Frederick Wendell
NOLTENSMEYER, Terry (Skip)
PARSONS, Charles Douglas
RENO, Jerry Ray
RIRIE, Otis Edward
SHRIVER, William Kent
STELL, Dennis Albert
VALLASTER, William Brown
WHITMIRE, John

Bethany
COX, Stephen Martin

Broken Arrow
BARRETT, Alfred T.
BAUM, James William

Buffalo
BALCOMB, Nicholas Frederick

Chickasha
BILBERRY, Rick Dean

Claremore
FORSLUND, John Harvey
SEERY, John Thomas

Copan
FINNEY, Larry Wayne

Del City
EASON, Michael Warren

Duncan
GENTRY, James Michael
SABINS, Freddie Lynne
SHACKELFORD, Elbert Leon

Durant
WAGONER, Oscar Leon

Edmond
DRUM, Donald G.
LYNN, William Richard
MATLOCK, John Wesley
TATARIAN, Mark Daniel

Fletcher
REYNOLDS, Rickey Lynn

Lawton
BRUNE, Paul W.
HELLER, Carrol Ray
IHLE, Jerry Scott
LITTLE, Michael Orin
MOTICHKO, Michael C.
SCHULZE, Kris Reeve

Mc Alester
STEVENS, Garold Dean

Miami
DALRYMPLE, Jack L.

Midwest City
DRESBACK, Donald E.
ENGLISH, Parker F.
GORRELL, Lloyd
NOLAND, Gary Warren

Norman
GUSTAFSON, William F.
GUSTAFSON, William Gene
LITTELL, Bart L.
PATTERSON, Jasper Ernest
WHITAKER, William David
ZAMORA, Eric A.
ZAMORA, Sharon Hudson

Oklahoma City
BRAND, James William
COLLIER, Donel Louan
DAVIS, George Patrick
HAYES, James W.
HOLTAN, Archie Gilbert
MERRITT, Jeffrey Byron
NELSON, Kenneth Alton

Owasso
HARMON, Christopher Robert

Ponca City
BLANTON, Bert H.
HOGGATT, Jerry Lee
KORSMO, Mark Thurston
MILLEMONT, Sharon Schuster

Sterling
SEYMOUR, Ronald Darrell

Stillwater
ENDSLEY, John David
NEATHERY, Raymond Franklin
SHREVE, Edward Lyle

Tulsa
BIGGS, David Lance
CARMEN, Jeremy R.
FULLER, A. Dean
GALLEGOS, Albert Leon
HUMPHRIES, Cecil Patrick
KOENIG, Paul Jackson
MOLINA, Jose Saucedo
REMONDINI, Joseph Robert
SCHEUTER, Hans Rudolf
SEERY, Charles Edward
STEVENS, William Thomas
TAYLOR, Thomas H.
TUTTLE, Willard Nicholson
WILSON, Dale Ray
ZIMMERMAN, Walter George

Weatherford
RAY, Mark Alan

Yukon
CURRY, David Bruce

OREGON

Albany
HAWKINS, Susan Mary

Aloha
MADDALENI, Glen Lee
SENKEL, Raymond A.

Beaverton
DALY, Edward A.

Bend
DENT, Christopher Lawson

Boring
MECHENBIER, Jeffrey Raymond

Columbia City
BIGBEE, John D.

Corvallis
JOHNSON, David Alan
WEBB, Coy Douglas

Dundee
LANKFORD, Howard Lewis

Forest Grove
ALLNUTT, Katherine Wertz

Glide
TROLINGER, Durward Ross

Gresham
ALLEN, Charles Paul

Joseph
MAKIN, Ronald Lee

Milwaukie
NIELSEN, Sidney Douglas

Newburg
VALDENEGRO, Julio

Oregon City
UTTERBACK, Thomas E.

Portland
ANDERSON, James Logan
DAVISON, Edward Timothy
GASKILL, William A.
KELSAY, Harry Stanley
MINTER, Hugh Cromer
RAJDEV, Hitesh Popat

PENNSYLVANIA

ROSE, Donald Thomas

Tigard
WOFFORD, Carl Nelson

Troutdale
JONES, Phillip Noel

Tualatin
HOBSON, Stanley N.

PENNSYLVANIA

Allentown
STUART, Carson Ray

Audubon
BEAN, Samuel Frank

Bath
HAHN, Scott Jay

Bethel Park
SHARP, George Robert

Camp Hill
MILLER, Paul Burnace

Carlisle
YASMIN, Kausar

Clairton
KAPADIA, Jayant Karsandas

Coatesville
CRILLY, Paul Benjamin

Delta
BRITTON, James Clark

Dover
OPPON, Samuel A.

Emmaus
HAGAR, Donald Kieth

E Petersburg
WAGNER, George Harold

Harrisburg
EDMONSON, Larry Dan

Hermitage
FEATHER, Landis Edward

Jonestown
GRAY, David

King of Prussia
HSIEH, James Sie-Gen

Lancaster
TORREZ, Eloy Jose

Lansdale
BAUMAN, Francis T.

Lebanon
BOBOIGE, Donald Richard

Levittown
MAUER, William C.

Marietta
KEDDY, Michael D.

Morrisville
BAUERSFELD, William Robert

Murrysville
MENDEZ, William Eligio

Philadelphia
HART, Lawrence Patrick
RIDENOUR, Paul Howard

Phoenixville
GUZMAN, Joel Gus

Pittsburg
MADSON, Robert Steven

PENNSYLVANIA

Pittsburgh

HEDJAZI, Abbas Seyed
LEE, Edward Brown
LOVUOLA, James John
SHEEHAN, John Anthony

Ridley Park

KERNS, Michael John

Trafford

CUNNINGHAM, Samuel L.

Wallingford

ZOJWALLA, Joyab Abbasbhai

Warrington

LYSTAD, Henry Douglas

Wyomissing

ZOLNA, Geoffrey Walter

York

LEARNED, Samuel Murray

RHODE ISLAND

Westerly

BENSON, Robert A.

SOUTH CAROLINA

Aiken

GUTIERREZ, Joe
WYLIE, James Alan

Charleston

CHRISTY, Leverage
EASON, Timothy Craig

Clemson

GADDIS, Joseph Leo

Clover

FORD, Dorrell W.

Columbia

KOKAL, Andrej

Gaffney

CLEVELAND, James Walter

Gaston

GRIER, Gary Louis

Goose Creek

DAWSON, Lon Andrew

Greenville

RILEY, James Edmond
WILLIAMS, Roy Mack

Ladson

FARMER, Ronald A.

Lugoff

FUCHS, Jerry Clinton

Summerville

BRANNAN, Larry Ray

SOUTH DAKOTA

Rapid City

BRADFORD, Wendell L.
MARTINEZ, Donald John
MILLER, Daniel Richard
ROGERS, Jerry Neil

Watertown

EWY, Keith Allan

Yankton

JONES, Daryl Paul

TENNESSEE

Bristol

PEAY, Kent Deon

NEW MEXICO STATE - COLLEGE OF ENGINEERING

Chattanooga

LONGAKER, Jeffery Joel

Cleveland

FELDMAN, Arnold Lewis

Cookeville

CORNETT, Frank N.
GEORGE, Dennis B.

Eva

LAKEY, Angus Eugene

Gray

HOFER, Matthew Greg

Greenville

DODDS, Stanley Dale

Hickory Withe

MIDDLETON, James Walsh

Hixson

MCGRIFF, James M.

Knoxville

PRICE, Terry Carrol
TSCHANTZ, Bruce Allen

Memphis

BEARDEN, Troy C.
BLACKWELL, Clyde D.
FLETCHER, James F.
LOCKHART, John Thomas
PARKS, Swann Edward

Morristown

BROWNSON, Rollin C.

New Johnsonville

MATTHEWS, Robert Lee

Piney Flats

FISHBURN, Paul

Sevierville

BRESENHAM, Elton P.

Signal Mountain

THOMPSON, Jackie Lloyd

Soddy Daisy

HAYKAL, Abdul S.

Talbott

CHANDLER, Donald Wayne

TEXAS

Abilene

BARELA, Joe Albert
HARGIS, Kevin Morris
MELENDREZ, Frank
ROPER, Randal Edmond
SALAS, Arthur Roman
VALKENAAR, John Jacob
WISDOM, Michael Lee
YOUNG, Lloyd Ray

AFB Dyess

IRSHID, Abdelwahab Adel

Aledo

HARRINGTON, Lawrence John

Allen

CORRAL, Raymond Vega
DART, Robert Peter
ESTES, DashaLynn
FRITZ, Gerald B.
MAYO, Clifton Bryant
MOORE, Michael Francis
MUSSER, Edward L.
RAY, David Fred

Alpine

SPRIGGS, James Millard

Alvin

LONG, Timothy Leslie
MOEN, Donald George
WISE, Doyle R.

Amarillo

BAKER, David E.
CUDE, Alan Bruce

EGOODKIN, Alan Saul
ELLETT, William Runyan
EVANS, Clinton L.
FAIRBANKS, David Alexander
FERRANTI, Robert
FULTON, John Scott
GOAR, John Fratus
GONZALES, Jose R.
GRAY, David Lee
HAES, Dennis Wayne
HAMPTON, Henry Hill
HARRIS, Hollis W.
HERRING, Kathleen Marie
HINDS, Robert Joe
HINES, Hillard Michael
HORNE, William Goddard
KRUPNICK, David A.
LAUGHTER, Steven
MC AFE, Johnny Lou
MECHENBIER, Catherine Castillo
MECHENBIER, Mark Charles
MILLS, Jon Pat
MORRIS, Martin Dane
PACHECO, Orlando Roman
PARADEE, Lawrence Maurice
PARSONS, Andrew Jay
ROGERS, Ralph Durward
ROHANE, Jeremy Duxbury
SIMS, William Brett
SMITH, Clinton Wade
SPEER, Coy R.
STEINMAN, Benny Michael
STEINMAN, Steven Brent
STEWART, Stephen Dale
STINEBAUGH, Russell Eugene
THOMAS, Roy Wesley
TILLERY, Bernard Ray
TRAYWEEK, Richard W.
TRUJILLO, Frankie Edward
WILLIS, Steven Earl
WISE, Robert Duane
WORTHEN, Clifford Hiram

Anahuac

GRAY, Lonnie Gene

Andrews

BURTON, Anthony Ray
GREENWALD, John L.
GREENWALD, John Lewis
SNOW, Daniel Wayne

Angleton

BERTONCELJ, Carl R.
RALL, Kenneth Niles
THARP, George Wallace

Anthony

LEOS, Manuel

Arlington

ABEYTA, Ralph Levi
AGUILAR, Tom F.
BAKER, Thomas M.
BOONE, Paul R.
CAST, Gerald L.
CHIEN, Cheng Chi
DIETZMAN, William Bruce
FARRELL, Richard G.
GARNER, Larry W.
GRABOWSKI, Frank D.
HART, William S.
HERNANDEZ, Frank Pinedo
HICKS, Karen Lynn Cummings
JOHNSON, Stephanie Dee
KERCHER, Charles E.
KERCHER, Todd Alan
KIRK, Jeffrey Paul
MARTINEZ, Ross E.
NEEL, Weldon Farnham
NICKERSON, Timothy Jay
PACHECO, Richard Henry
PERRY, Billy Wayne
POWELL, Ernest Alfred
PRITCHETT, Michael Leroy
SEIDEL, Ronald Bruce
SHOULTS, Raymond Ronald
SMITH, Mickey Jake
SOWELL, Shane Phillips
WILBUR, Walter Franklin
YARBROUGH, Steve Harmon
YARTO, Enrique Gerardo

Athens

DITTMAR, John
RIDDLE, Phillip Owen

Austin

AGUILAR, Luis Gerardo
BAKER, David C.
BERRY, Craig Alan
BRECHHEISEN, Michael Dee
BURCH, Gary D.
CHANDLER, David Mack
COOPER, Donald W.
COOR, Jerry Eugene
DALTON, Merry Howell
EDDY, Robin J.
GOWEN, Michael Stan
HACKEROTT, Raymond Earl
HAMLETT, Aaron Maurice
HARTNETT, Fred J.

HEGEL, Scott Douglas
HOLSTEIN, Jeffery Lowell
JAMSHID BEYGI, Mehdi
JOHANNES, William Robert
JONES, Charles Edward
KENT, Harry L.
LIVINGSTON, Kirk Samuel
MESSER, Dion
OWENSBY, Garvie Hugh
PATTERSON, Fay Danetti
PITSTICK, Gerald Michael
ROBERTSON, Jack Bennett
RUIZ, Christophe James
SALAZAR, Martha Elizabeth
THEISEN, Jacob Fredrick
TURNER, David Laurence
WENTWORTH, Jon Bradley
WILLARD, Ronald Gene
WILLIAMS, Cynthia Ann
WILSON, Phillip Laurence
WOOD, Randy Dale

Azle

TILLMAN, Robert Gary

Bay City

MILLER, Ronald Joe

Baytown

HILL, Mark Edwin
WOOLFORD, Daniel Fred

Beaumont

BECKERT, Donald C.
HARLAN, John Harold
HORNE, Ronald Ray
SEAL, Steven Ray
SMITH, Floyd Rodenback

Bedford

DIMMIE, Gregory Alan
JOHNSON, John Alvin
LLOYD, Kenneth Hudson
LOFTIS, Jimmy Lee

Benbrook

MURPHY, David Patrick
ROBERTS, Howard Doyle
WOOD, Leo Terrell

Big Lake

BISHOP, David Warren

Big Spring

RILEY, Donald Gene
TURNER, Sylvana Mornelli

Bledsoe

WILBANKS, Douglas Loyd

Blue Ridge

ROLL, Walter F.

Borger

ALFORD, Roscoe
BECK, James M.
DOUGLAS, David Eldon
FOWLER, Robert Charles
GARCIA, Victor Ubaldo
HERBERT, John Patrick
MC GRAW, Gordon Russell
WINGATE, Frank Porter
WOOTEN, William Edward

Brownfield

ROGERS, John David

Brownsboro

MC CARVILLE, Dennis Charles

Buda

HANKAMER, Michael

Canadian

SNYDER, Rush Alexander

Canutillo

DUARTE, Raymond Alberto
DURIO, Mark Douglas
GATES, Charles E.

Carrollton

BAIRD, B. Thomas
BRENTON, James Richard
CRED, Thomas K
DEL FRATE, Monica Therese
HENRY, Frank
HOWELL, Jack S.
MABIE, Norman John
MEIERS, Nancy Garnett

Carthage

MC GOUGH, Phillip Wayne

SIMMONS, Timothy E.

Cedar Park

DUGGAN, Michael J.
HICKS, Dwain Alan
ROGERS, Joe Y.

Cleburne

HAHN, Mark Allen
JANSSEN, Michael George
KESSINGER, William W

Clifton

DALE, Eugene Melon

Clint

WINGO, James Francis

Ciute

JASSMANN, Randy John
LARRINAGA, Adalberto
THOMAS, Terry Lee

College Station

GABALDON, James Robert
MARTIN, Kenneth Lloyd
PARNELL, Calvin B.
PILLAY, Gautam

Colleyville

CONFER, Larry F.
METCALF, Donald Warren

Concan

SAUVE, Allen Newton

Conroe

HILL, Robert David

Coppell

DEINLEIN, William Steven
MEYER, Stephen Lamar

Corinth

BENNETT, Marc Doyle

Corpus Christi

BELIAN, Thomas M.
BUGAY, Glenn L.
CUNNINGHAM, Richard Henry
HAYMAN, Gerard J.
KEELER, Edward P.
LUND, Margaret
MATTHEWS, David Wood
PASCADOR, Gerald James
POLLARD, Richard Lee
TEMPLEMAN, Terry Leroy
WEAVER, Max Douglas

Cypress

BLANKENSHIP, Wesley Francis
ESTEP, Forrest Ernest
WELSCH, Robert Dennis

Dallas

APEL, Charles Andrew
APPLETON, Vicki Bannister
ARNOLD, Peter Thomas
BACH, Lawrence H.
BAILEY, George L.
BECKETT, Archie Roy
BEENE, Bobby Rex
BEGGANE, Helen Marie
BROOKS, Russell Lee
BROWN, Delmas McClain
BRUNS, Robert Joseph
CAHOON, Colin Paul
CAMUNEZ, Kirk Matthew
COPPER, John Joseph
DEESE, William Moody
FELLER, David Lee
FOREMAN, Edgar F.
GALLAWAY, Laura Keck
GANTICK, Timothy Stanley
GLACKEN, Pamela Gares
GORZINSKI, Walter Joseph
HAMMERS, Edward Martin
HARRIS, James Lowell
HERRING, Ralph H.
HOLMAN, Jennifer Ann
HULL, Ronald J.
JOHNSON, Alvin Dewayne
JONES, Harry Clay
KAPLAN, Bernard C.
KELLY, Hugh Thomas
MAYO, Hugh Lewis
MONTTOYA, Lenora Olga
MONTTOYA, Ray E.
MOONEY, Forrest Jackson
O'BRIEN, Walter James
OKAFOR, Anthony C. Nwafor
OWEN, Robert Lawson
ROBERTS, Kymn Ray
VAIL, Christina Scully
VAIL, Neal Kent
WINBERG, Charles A.

GEOGRAPHICAL LIST

YOHAN, Steven Kenneth

Deer Park

FEENZEL, Tommy L.
HELMS, Donald Perry
WILLIAMS, Gary Leon

Denton

YARBROUGH, Jay R.

Denver City

BEDNARZ, John
HOHSTADT, Ray A.
HOHSTADT, Sharon O'Quinn

De Soto

FANNING, Ross Layne

Dickinson

JAKEWAY, Bill Benton
RANSOM, Vernon Alden

Dumas

DUNWOODY, David Joseph

Duncanville

MURRAY, Bobby Justin
MYERS, Homer Steven
NASSERI, Heidar Ali

Elgin

MC MASTER, Roy Dean

El Paso

ABERNATHY, Aden Jake
ADAMS, Norman G.
AEDA, Osamah Ghalib
ALAFODIMOS, Constantine N.
ALVARADO, Toribio Refugio
ANDERSON, David Richard
BAER, Kelley Gillis
BAER, Robert Emil
BAEZA, Johnnie Urenda
BAHRAMIAN, Mohammad
BAKER, Raymond Dalton
BARNES, Ronald Edward
BARRETT, Claude J.
BARRETT, Richard Rodney
BEASLEY, Jack F.
BEDOYA, Francis Xavier
BENAVIDEZ, Ben Raymond
BERRYMAN, Gedon Glenn
BIBB, John Stephen
BOGLE, Beverly Ann
BOWDEN, Kathleen Tindal
BRADFORD, Robert D.
BRADLEY, Lester Monroe
BRISENO, Raul
BROWN, Roger Pemberton
BURDICK, Byrl Hunt
BUSH, George W.
BUTLER, Walt Isaac
BUTTERFIELD, Joseph E.
CAHILL, Gerard John
CARAMEROS, Alexander Hextor
CASTER, John W.
CHACON, Juan Ricardo
CHOWDHURY, Erik
COLEMAN, Ronald P.
CONLEE, Carl Samuel
CONOVER, James P.
COULTER, James C.
COVEY, Robert Carlton
COY, Charles Irving
CRESTANI, Matthew Angelo
CRYSTAL, Jonathan Abram
DAHLGREN, Steven Paul
DAVIES, Bryan Russell
DAVIES, John Charles
DEBUSK, Will E.
DEHRKOOP, Clinton Buddy
DELGADO, Armando Rafael
DODDS, Edgar B.
DUGAS, Jay Bradley
DUNN, Allen R.
ECKLES, Stephen Wayne
ELY, Judith Dianne
FARMER, James Ligon
FISCHER, Holger Otto
FISHER, David Lee
FISKE, William C.
FRENCH, Ralph E.
GADDY, Burrell C.
GARCIA, Daniel Ramsdale
GARCIA, Nicholas Paul
GARCIA, Santiago
GARCIA, Tom S Esiquel
GARCIA, Tomas Esiquel
GASTELUM, Oscar
GERARDO, Ernesto
GHAHRAMANI, Fereidoon
GILLESPIE, Edward George
GILMER, Jesse B.
GOMEZ, Jaime
GONZALEZ, William Gilbert
GORMAN, Frank W.
GRAHAM, Randolph McFarland
GRANADO, Margarita
GRAY, Gene Warren
GRIFFIN, William Michael

GROSS, Stanley Ross
GRYDER, Norma Jean
GUADERRAMA, Jose Luis
GUILLEN, Jose Luis Leyva
GUTIERREZ, David
GUTIERREZ, Juan
HALL, Benjamin
HAND, Alvin Lee
HARDER, Steven Henry
HARRIS, Donald Charles
HARRIS, William David
HARTLEY, Weyman A.
HARY, Charles Frederick
HAYS, Leslie C.
HEICK, Phillip Rodney
HINOJOS, Augustin Astorga
HITTLE, Carl Edward
HOLT, Howard Davis
HUDY, Joseph Warren
JARPE, Geoffrey Paul
JONES, Joseph E.
KATES, John Clark
KENNEL, Thomas Lee
KEYVAN, Amir Ebrahim
KIDD, David Edward
KIRBY, James W.
KIRK, Lanny R.
KNORR, Daniel Brainard
KOHLRUST, Wayne T.
LANDIN, Daniel William
LANTOW, John William
LASTER, Jeffrey
LEHMAN, Louis Edward
LOFLAND, James Harrison
LOGAN, Horace Paul
LONGENBAUGH, Mark Charles
LOYA, Israel
LUCKEY, William Albert
LUGO, Alfredo
LUNA, Armando
MARMOLEJO, Norma
MARTINEZ, Francisco Cardero
MARTINEZ, Francisco Javier
MATHIS, Charles Robert
MATHIS, Joe Earl
MAULDIN, I. Gene
MAYFIELD, Jack Allen
MAYR, Gabriel Karl
MC COLLOM, Victor Alvin
MC KEE, Charles David
MC KEE, Charles Steven
MEDRANO, Victor
MENA, Francisca Elena
MERCADO SILVA, Manuel Ignacio
MICHON, Joel Stephen
MITCHELL, Pamela Hess
MOBBS, Dutch William
MOCK, Ronald Ray
MONEDERO, Gonzalo
MOORE, John Borton
MORA, Javier
MORA, Manuel Bernardo
MORALES, Ray Harald
MORENO, Lissete
MOSLEY, Billy Wayne
MURRAY, Richard Gordon
NAMBA, Elaine Mariko
NAVARRETE, Manuel Sanchez
NAVARRO, Robert
NEVAREZ, Jose Gomez
NEWMAN, Charles Hill
NUNEZ, Salvador
OLAGUE, Lorena
OLIVAS-AYALA, Edmundo
PADILLA, Eduardo
PADILLA, Felix Antonio
PADILLA, Victor Manuel
PALOMINO, Gabriel
PARMELEE, Robert Alexander
PASS, John David
PATTERSON, Jearl Dwyane
PAZ, George M.
PAZ, Robert Alex
PEACE, Jeffrey Howard
PECA, Peter Samuel
PEEL, William R.
PEINADO, Raul Oscar
PEREZ, Oscar Antonio
PEREZ-MORALES, Jose Enrique
PEYTON, Norman Clifford
PONSFORD, Emanuel Edgar
QUINTANA, Juan Felipe
RANDALL, Palmer Wood
RIBAIL, David Joseph
RIBAIL, Saul Jacob
RICHARDSON, Lawrence Oliver
RIVAS, John Anthony
ROCHA, Fernando
RODRIGUEZ, Gilbert
RODRIGUEZ, Javier
ROSALES, Oscar A.
RUVALCABA, Marco Antonio
SADLER, Jesse Turner
SALAS, Edward Ruben
SANCHEZ, Leticia Romero
SAVELLE, Hubert Mason
SCHNEIDER, Donald Manning
SEDILLO, Felix Joe
SEIGER, Andrew D.
SILVA, Gustavo Felipe
SINTON, John Thomas
SMITH, Anthony Younger
SMITH, Dale William
SOLIS, Vernon Alfred
SORENSEN, Andrew
SPALDING, Matthew Helm
STANLEY, Linda Sue
STEINMANN, Ralph Henry

STRATTON, Gary Van
STROMBERG, Jon F.
SUMMERFORD, Richard Dale
THURMAN, Garrett Thompson
TORNATTA, Paul A.
TROUSDALE, Edward
ULIBARRI, Ronald Ernest
USREY, Marvin Wayne
UTTERBACK, James Stanley
WALL, Evern Randolph
WALSH, Edward Adams
WATKINS, Leslie George
WATSON, Joe Hadley
WEST, Troy Lee
WHITE, Leslie Ray
WILLIAMS, John Clark
WILLIAMS, Richard Alfred
WISE, David Lynn
WISE, James Armonie
WOLF, Gene Leroy
ZAMORA, Charles Lauriano

Eules

ADDRESS, Gregory Paul
LOCKWOOD, Richard Blair
NIVENS, Dennis Reed
OLSEN, Robert B.

Fabens

GARCIA, Ernest Cunningham

Fairfield

SMITH, Lonnie Clarence

Fort Worth

BEAKLEY, B. Joe
HOOK, Patrick H.
JEMENTE, Jerry Joel
MAESTAS, Jeffery Ernest
PAXTON, William Sloan
ROSTA, Mark Henry
SADEGHI, Ahmad
SOTOMAYOR, John Louis

Freeport

COLEMAN, James Bruce
LEE, Zane Earl

Fresno

TRICE, Steve Roland

Friendswood

BULLOCK, Jon Walton
CAMPBELL, Stephen Patrick
GIESEY, Philip Matthew
GILBREATH, Kenneth B.
HAUTAMAKI, Richard W.
MC DONALD, Kris Andrew
PAGE, Steven Earle
RIDGE, Larry Keith
STODDARD, Darlyn Michelle
TEEL, Lawrence Elmore
WILEY, Alvin Roy

Friena

GOODWIN, Paul Joseph

Fritch

HAVENS, Kenneth Harold
LOPEZ, Steven Abraham
O'DONNELL, Steven John
REYNOLDS, Joseph William

Ft. Davis

WIANT, Jerry Robert

Ft. Stockton

WHALEY, Barbara Ann

Ft. Worth

ALLEN, Kevin Carter
BERNAL, Jose Servando
BOYD, Thomas James
BURKETT, Otis R.
BURLING, James Steven
CARRILLO, Michael Lenard
DAILEY, Randy Lynn
DAVIS, Allan B.
DAVIS, George L.
DAVIS, Harry Joseph
DIRNBERGER, Alfred W.
EDWARDS, Richard A.
ELLIS, Wallace Daniel
FLEMING, Donald Ray
FULLER, Kenneth F.
GARCIA, Frank Julio
GIPSON, Jonathan H.
GOTT, Ronald D.
HUNTER, Roy Ellis
KEISS, Thomas William
KERNAGHAN, William Henry
KINCAID, Jack Hopper
LOEPPKE, Jerrel Todd
LONEY, Michael Anthony
MARTIN, Roy M.
ORR, William Robert
PAYNE, William Glen
PETTY, Dennis Edward

PLEDGER, Richard Payne
REINECKE, Carl Will
SITZBERGER, Karl Joseph
STANFIELD, Robert E.
THUNBORG, Jon Eric
TORRES, Thomas Eugene
WARREN, Clay L.
WEBB, Victor C.
WEISBROD, Kim Robert
WIDNER, Kenneth Paul
WIDNER, Terry Keith
WILLIAMMEE, Richard Steele
WRIGHT, Robert Thomas

Galveston

KEESECKER, Victor Carl

Gardendale

GANTZ, Durward Kent

Garland

ATKINS, Barrett Ray
BROW, Christophe Lee
COLLINS, Stephen Louis
DOUGAL, Michael Kent
DOUGAL, Tonya Shaddock
EAGER, Donald R.
GEIGER, Kevin Todd
HESS, Cory Dexter
LECHNER, John Wellington
MATHEWS, Milton W.
MICHELL, Stephen Vincent
PRUITT, Ralph Tye
TAYLOR, William
VIGIL, Ubaldo Isaias

Georgetown

DUNN, Stephen Alan
WORTHINGTON, Greg Dickens

Gilmer

DUGAN, John Charles

Graham

KNISLEY, Tedd C.

Granbury

SCOTT, Charles Edward

Grand Prairie

COUCHMAN, Deborah Dawn
GRISWOLD, Robert Michael

Grand Prairie

ESCOBAR, Louis Chavez

Greenville

BIRZER, Cletus Joseph
BUTCHER, Robert E.
COLE, Ronald C.
EARL, TommyLynn
FEENZEL, David E.
NEWELL, Russell Dan
YOUNG, James Arthur

Groves

HENNINGS, George Ferdinand
KOVACICH, Richard Noel

Hallsville

HAVENER, John Paul
HAVENER, Tamara Vaughn

Harlingen

BREITEN, Kenneth John
HUTCHINS, Tommy Douglas
MC LEOD, Leo James

Hartley

FLOYD, Dennis Wiley

Hereford

MOULDER, Michael Harley

Hickory Creek

FIELDS, Fred Kenneth

Houston

ABUADHMAH, Abdulaziz Hamzah
ADAMS, Jack Leon
AL-AMRI, Abed Mubarak
ALBALAWI, Ibrahim Khamis
AL-BHAIR, Ahmed Fahad
ALBIRRI, Abdulaziz Ali
AL-DHAHRI, Saleh Rajallah
ALDRICH, Bradley Dean
ALDRIDGE, Richard W.
AL-EID, AliMakki Moha
AL-GHAMDI, Ali Ahmed Abdullah
ALGHAMDI, Mohammed Saeed
AL-GHAREEB, Ahmed S.
AL-KHALDI, Faisal Homoud
AL-NOWAISHI, Khalid Khalifa

TEXAS

AL-RAHAIN, Ali Nasser
AL-SADIQ, Othman Matoug
AL-SALEH, Saleh Fahad
AL-SAYOUD, Mohammad Hilal
ALUMARY, Yanallah Saeed Ali
AL-YOUSEF, Fawzi A.
ATKINSON, James R.
BALWANTH RAO, Ratnal
Muthialoo
BEAL, J. Arlie
BECK, Joe R.
BLACK, John D.
BOYKIN, Benjamin M.
BRADT, David Jay
BULLOCK, William L.
CALDWELL, James B.
CAMPBELL, Christopher J.
CAMPBELL, David Frederick
CAREY, Kenneth E.
CARLSON, John Allen
CARTER, Richard B.
CHARLES, William P.
CHAVEZ, Phillip
CHILLION, Randy Michael
CHIOU, Wen-Fang
COTTEN, Roger P.
COTTRILL, Richard Loyal
CUPP, Donald Allen
DIAZ, Gerald M.
DUNN, Kevin W.
DUREL, Jules Caplace
DUTRA, Charles R.
ELDER, Phillip David
ENGLE, Lawrence Eugene
ERV, Mark Douglass
EVANS, Martha Tinkle
FIERRO, Clemente
FREEMAN, Craig James
FULMER, Richard W.
GELWIX, Kenneth Lee
GILLOUGH, Brian Francis
GRAVES, Richard Columbus
GUILD, Galvin Corwin
GUZMAN, Eddie V.
HANOHANO, John Otoichi K.
HERNANDEZ, Frank Soto
HILL, Tom Harvey
HIRTH, William Bryce
HIX, Marion W.
HOLDEN, Keith Alfred
HORTON, Edward Frank
HOWIE, John Keith
HUNICKE, Ruth Keeling
JOHNSON, Charles L.
JOSLIN, Tamara Hayes
KADDEM, Hussain A.
KANANI, Padmasam Ramdas
KANE, Allison Lea Johnson
LEDVINA, Joseph Charles
LEGG, Thomas Harold
LOCKNAME, William Murray
LORY, James Robert
LUTZ, Calvin Eugene
MARTIN, Carl Richard
MASSEY, Oly Dunn
MELTON, HuelRodger
MUELLER, Robert Steven
NELSON, David Wayne
NICHOLS, Jeffrey Glen
ORNELAS, Antonio
OROSCO, Rudolph
OWEN, David Garry
POLING, Gerald Edward
QUARNSTROM, Thomas Francis
RAHEEM, Mohammed Abdur
RAMSEY, Kevin Michael
REH, Gayle Estus
ROMERO, Andy Garcia
RUNDLE, William Eric
RYAN, Thomas J.
SAPP, Larry John
SCHEIBNER, David James
SCHIRBER, Peter Charles
SEIBERT, Tonya Alvarez
SHADLE, Max Lucene
SHERRILL, Michael Lonnie
SIMMONS, Deborah Gail
SMITH, David Eugene
SNYMAN, Gerhardus C.
SOLLARS, Gilbert Lee
SOLLARS, Laura Hardin
SPARGERS, William Harry
SPERRY, Donald Lee
STEWART, Elbert Davis
TILLIAN, Donald Joseph
TORBERT, Ronald Louis
TOWNSLEY, William Gregg
TURBETT, Peter Lodge
TYLER, Lynn Dolan
VALENZUELA, Raul
WEST, Terry Ross
WHITEMAN, Daniel L.
WHITFIELD, Howard Elvis
WHITTINGTON, Harry M.
WIESE, Donald Henry
WHITTE, James Alan
WILLIAMS, Douglas Wayne
WOMACK, Milton Russell

Humble

TATE, Harland Lee

Hurst

EAKS, Charles A.
LUDOVIC, Kurt Frederick
PARKER, Billy R.

TEXAS

RASINS, Robert C.
SMITH, Gary D.

Hutto

STANFORD, RobertEdmond

Irving

BROSCOFF, James Steven
NELEIGH, David Wright
PHELAN, Michael David

Junction

LUCHINI, Joseph William

Katy

KOON, James Ray
SEIDEL, Frank Arthur
SIEVERT, James Bernard

Kerville

MURCKLEN, James Orlanda

Kilgore

DASE, William G.
WHEELER, Thomas S.

Killeen

CARAWAY, Patrick Henry

Kingwood

BECKHAM, Willie Simon
HALEY, Coralie Sanders
RAY, Jeffrey Mitchell
SYDOW, James Robert

La Grange

BRAKE, William Arthur

Lake Jackson

ALEXANDER, Joe B.
ATKINS, Thomas G.
BUTLER, Thomas Irvin
FEGLEY, Ralph Adrian
GANSTINE, Dennis G.
GIPSON, Jerry N.
GRUNDY, Roberta Osuna
HEMPHILL, James John
LARA, Rosario Maria
MAULDIN, Valroy Henry
MORAN, Mark Bryan
PATTON, James Robert
RESTAINO, Michael Charles
ROBINSON, Chester Arthur
SPENCER, Rae Lynn Ricks

La Marque

GRAHAM, James Paul

Laredo

SPIERS, Christopher W.

League City

BHAGWANDIN, Deodat Persaud
PERKINS, Cary Glenn
PETTIGREW, Richard Marvin
ROBBINS, James Roche
SEARS, Ronald James
VILLARREAL, Salvador

Lewisville

BRANUM, Lloyd C.
CRUTCHER, Wayne Ray
DUNFORD, Steven Osmond
GAMMILL, Aubrey Lee
HANSEN, Leslie
MC CONNELL, Stephen Michael
SKALENDA, Laurie Ann
ZIEGLER, Eric John

Longview

BRESENHAM, J. J.
DITTMAR, Michael Louis
HUNT, Steven Dale
WINANS, David Craig

Lubbock

ANCELL, Larry E.
COYLE, Kevin James
GLEGHORN, Ronald Ray
GONZALES, Mike John
MAGRUDER, Byron Eli
MASTERS, DannyEugene
MILLER, David Eugene
PHILLIPS, William Frank
SULLIVAN, Mark James
TURNER, Eldon Kenneth
WAGGONER, Mark Leslie
WHITAKER, Jerry Lee
WYATT, Linda Barton

Marble Falls

TRUETT, Jesse Lee

Mc Kinney

GLENN, George E.
PATTERSON, David Jearl

McQueeney

POOL, Glen Lawrence

Mesquite

BLACK, Maria Elaine
COLLINS, James C.
HARTNESS, John Samuel
REID, Christine Rice
REID, Raymond L.

Midland

ADAMS, Brett Lee
ALDRIDGE, John W.
ALLMON, Curtis Dewayne
ANDREWS, Michael W.
BASS, Alvey Otis
BEALL, Thomas Malcolm
BINGHAM, Keith David
BOYT, Hugh Lee
CAMPBELL, Shirley Maxwell
COLLINS, Kenneth Brian
CORNELIUS, Robert S.
CUNNINGHAM, John W.
EIDSON, Gary Gene
FERDA, Steve Robert
FESMIRE, Mark Edwin
FINKBEINER, Walter Kurt
GARCIA, Ray Anthony
GATES, James Rex
GAUME, Patrick Jay
GIBBS, Jeff Robert
GLENN, Paul Douglas
GREEN, Roy Don
HIRTH, James Britt
HUBBARD, James Lloyd
JAMES, Michael Ray
KISER, Keith Edward
KOPP, Donald William
LYON, Robert Charles
MAGRUDER, Joseph Brian
MC CREADY, Kem Ed
MC ILVAIN, Thomas L.
MC WILLIAMS, Jeff Lynn
MEYER, Larry James
MORALES, Willie
ORR, Keith Randell
PAVLETICH, Louis Martin
RANEY, John Paul
SANCHEZ, Paul Alexander
SCOTT, Ronnie David
SHEPHARD, Richard Arthur
SHOTTON, Ernest Alphas
SORENSEN, Leslie Dale
STEGALL, Candace King
STEGALL, Ronald Perry
VARELA, Richard Arthur
WELKER, Anthony J.
WEST, Paul Tolliver
WOODARD, Jeffrey Neil

Mineral Wells

MOORE, Michael Thomas

Missouri City

CARL, Roger Max
FORREST, Gerald D.
PERINE, Russell Harrison
QUIGGINS, Ronald Neal

Monahans

ALLEN, Kenneth G.
LOOS, Bill Hugh
MOBBS, Allen Lee
WOLSKE, Paul Lester

Muleshoe

THOMAS, Jimmy Van

Nederland

WHITE, William David

Nocona

KIDWELL, Charles C.

N. Richland Hills

NORMAN, Howard Osmond

Odessa

ARNOLD, James C.
CAREY, Roy Henry
DRAKE, Frank P.
FELIO, Larry Allen
HAGAN, Lewis Edward
HARRAL, Gerald Don
HEATHMAN, KenE.
HUBERT, Richard V.
JACQUES, Frank Lopez
PEARSON, Keith Henry
RAY, Harry
SANFORD, Grady Robert
SEXTON, Robert Charles
STEWART, Kenneth K.
TERRELL, Lavern Berry
TUCKER, Bobby Lee

Orange

MC WILLIAMS, Randy Odell

Paris

HENSON, Gwenna Ritchie

Pearland

LEMMON, Richard Alan
PHILLIPS, George Allen

Perryton

LANDIS, David Almon

Pflugerville

ELLIOTT, Martin Roy
PETERSON, Donald Anthony

Plano

BOGGS, Ralph R.
CARD, Lewis H.
COMPARY, Rockne Jonathan
GIRTON, Anthony Brett
GOEBEL, Lucky Arlan
HANLON, Michael Joseph
HAY, John H.
HAYES, Doyle Gordon
HOLGUIN, Arturo
KOCH, Leonard Paul
MEALING, John Milton
MORGAN, David Earl
NELSON, Louis S.
OSBORNE, William Pierce
PLUMLEE, Herbert R.
ROETHER, Phillip Lamar
SELLERS, Randall Dee
SKALENDA, William Francis
STRINGER, Herbert Dean
WALL, Melvin James

Port Arthur

HERLIN, Charles Peter
SCOTT, Charles McClung
SHIPE, Charles Edward

Portland

REITMANN, William Henry

Port Neches

DARST, Earl L.

Princeton

CLARK, V. Allen

Rankin

TATE, Richard Howard

Reese AFB

VACCARELLA, Robert Peter

Richardson

BURLESON, Dale D.
CHU, Jih-Rui
FREW, Dean Lee
FRUSTERE, Richard A.
HANSON, Jackson D.
HINES, Charles Mike
KILBOURN, Russell A.
MARSHALL, Stephen Wesley
MC GAHEN, Paul Winfield
MILLER, John W.
MILLER, Juanita Huff
MURRILL, James Richard
NICKELL, James Benton
SWIGART, Patricia May
THORPE, Herbert Guyrn

Richland Hills

LOCKWOOD, Glen Blair

Richmond

WARD, Van Noble

Rockdale

GARDENHIRE, Alan Lee

Rockwall

KAMEYER, Darren Allen
REYES, Arnold Dennis

Rosahron

GIGGER, Richard Pierce

Round Rock

ALBERSON, Paul David
BOLIN, William Bradford
PETERSON, John Lambert
WILES, Michael Frederick

Rowlett

DONHAM, Craig Scott
RADACH, Thomas Lawrence

NEW MEXICO STATE - COLLEGE OF ENGINEERING

TOON, Kimberly Druzer

LEHING, Andrew C.

Salado

DENISON, John S.

San Angelo

BARNABY, Robert Glenn
BRININSTOOL, Edward P.
BROWN, Kenneth Dee
JEFFERSON, Harry Ross
MIRAMONTES, Margie
WILKERSON, Paul Ronald

San Antonio

ADAMS, Richard Locke
ARROYO, German Alberto
BERTOLETT, Craig Randolph
BLACK, Allen B.
BONNEY, Charles H.
CHENOWETH, Paul Lawrence
CODD, Carla Beth Tinkle
EARL, Harold R.
GREEN, James Thomas
HANSON, William H.
HERNANDEZ, Edmond Omar
LUCAS, Mark Edward
MAESTAS, Ernest Theodore
MALCOLM, Timothy W.
MILTON, Larry L.
MORRIS, Robert Gerald
POSEY, Ronald Mark
RATLIFF, Robert Adrian
REDDY, Barbara Patterson
REDDY, David Roy
ROCKWELL, David Maury
SCHULTHEIS, Steven Michael
SCOTT, Franklin Earl
SPRAGUE, Ron Alan
ST. JOHN, Donald Harvey
TAGERT, Ronald Ray
WHITE, Thomas Wilford
WILBUR, Robert Leighton
WOOTEN, Wayne John

Santa Fe

ROBISHEAUX, Colleen Wright

Schertz

JACKSON, David Lynn

Seabrook

BUSBY, Gary Lee
GILBERT, Jeffrey Alan
QUEENER, Ted Quinten
STANLEY, John Frederick

Seguin

CRUZ, Barney
WOYTEK, Arthur H.

Sherman

STEELE, Charles William

Slidell

JONES, Royal White

Sonora

BROWNING, Phillip Lee

Spring

BROWN, Willis Hickman
LEAVELL, Larry Dale
LINDSAY, Jon Stephen
MATHEWS, Robert Glenn
MAULDIN, RonaldJames
PORTER, Don Curtis
WARNER, Andrew Charles

Springtown

GRIFFIN, Robert Erwin

Stanton

BURCH, Rodger G.

Stephenville

STONE, Donald Lee

Sugar Land

HIXON, Joe L.
SACKETT, Samuel Albert

Sweeny

HARRINGTON, Frank Allen

Temple

CHAPMAN, Dwight L.
LARA, Harry Lee
RIDDLE, John Wayne
SWISHER, Richard Leroy

Terrell

FULGHUM, Donald Paul
FULGHUM, Lynda York

Texarkana

BAKER, Robert Jackson

Texas City

KILGORE, Mark Steven

The Colony

GLASS, Robert Dwayne

The Woodlands

AIMES, Larry A.
BOEBINGER, Robert W.
CHATTERTON, William
HORTON, Steven Lynn
MELTON, Duane Wesley

Tomball

MILLER, James Otis

Troup

BREWTON, Steven Ray

Tyler

FULLER, Robert H.
MILLER, Otis Edward

Universal City

ARMENTA, Edward

Vernon

KING, Raymond D.
RITCHEY, Ralph Earl
SLOCUM, Ronald Edward

Victoria

HOLMES, Thomas P.
HOWELL, Raymond Esco
RAMSEY, Debra Lock

Village Mills

MUSICK, Dixie Wyatt

Waco

EAST, John Delos
ERWIN, Larry Glenn
HARRINGTON, James Arthur
RITCHEY, Alan D.
STYRON, CharlesJames

Wake Village

SMYTHE, Walter Ernest

Watauga

KISSELL, James

Waxahachie

ROGERS, Rance Scott
ZAHN, William Marvin

Weatherford

FOX, Roy Glenn
ROGERS, Miles R.

Webster

ALTAMIRANO, Paul Michael
CAMBRIA, Edward Vincent
SILCOTT, John William
WILLIAMS, Ronald

Whitehouse

WOTRING, Jefferson Michael

White Oak

GRAY, Michael Edwin
WHITE, Billy Sam

Wichita Falls

MASON, Roy James
MC MAHILL, Diane Souza
SPENCER, Raymond Arthur
TITTLE, James Kevin

Winnboro

TYREE, Daryl Eugene

Woodlands

MONTGOMERY, Robert Gary

Wylie

O'DELLA, Gaylon Kent

GEOGRAPHICAL LIST

UTAH

AmericanFork
HANSON, Grant Robert

Bountiful
YOUNG, Jess William

Draper
BLAKE, TinaMae
GOODLOE, Mason F.

Farmington
ZSCHEILE, John Walter

Fruit Heights
BEVANS, Peter Charles

Green River
TAYLOR, Julian Robert

Hooper
STRAHM, James Frederick

Layton
BOHNERT, Roy Martin

Midvale
GREAVES, Lloyd Douglas

North Ogden
MOORE, Raymond Gilbert

Ogden
DAANE, Peter William
DURAN, Paul S.
FRANCIS, Tim Lloyd
NOSKER, Brian Ralph
SIMON, David Michael

Park City
ETHERINGTON, William W.

Provo
STEVENS, Anthony

Roosevelt
NELSON, Randy Lowe

Salta Lake City
WILHELM, Michael Anthony

Salt Lake City
ANDERSON, Louis Christophe
DINTELMAN, Robert Lynn
FETTER, Scott Doty
HALL, William Robert
KIMBER, Irvin Gerald
MOORE, Edwin Richard
READER, Garth E.
WARNER, Leslie Lawrence

Sandy
MAYERS, Robert James
MURPHY, Michael Joe

Tooele
RONDEAU, Micheal Paul

Vernal
CHEVES, Lee H.

West Jordan
CRUTCHER, Charles Gaylen

West Valley
SALAIZ, Michael Joseph

VERMONT

Castleton
HINNERS, Richard F.

VIRGINIA

Alexandria
CATES, Albert Lee
CUNDIFF, Roger Evan
HEGLAND, David Alman
KRAKE, James Nygren
MC INTOSH, Richard Kent
MORRIS, Steven A

NORHEIM, Allen Oliver
ROMERO, Steve Garcia
SHANNON, Timothy Joseph
ZUMWALT, James Frederic

Annandale
FUTRELL, Raymond A.
THOMAS, Fred Lee

Arlington
ABERNETHY, Charles Ernest
LIVINGSTON, Eric Edgar
MICKELSON, Roger Ward
MITCHELL, R. T. "Mitch"
SKIBBIE, Lawrence Franklin
STEPHENS, Robert Lee
WATERWORTH, Leonard Dale

Blacksburg
ROGOWSKY, John Anthony

Burke
MONTROYA, Earl Joseph
MONTROYA, Kevin Joseph

Center Cross
JANSSEN, John Peter

Centerville
KITCHELL, Joseph W.

Chantilly
MC DONALD, WilliamMark
SIDES, Larry Duane

Chesapeake
SHEARER, Harold Wayne
STEVEN, Horace K.
WARD, William W.

Chester
KOEKKE, Mark Alexander
WEAVER, Stanley Vance

Elliston
ZERWEKH, Paul Samuel

Fairfax
BEVIS, Coleman O.
COLE, J.B.
GENTRY, Stephen Mark
GOFORTH, Kerry James
LIEBENBERG, Karl Henry
TONINI, Daryl Edward

Falls Church
ANAYA, Margot Delapp
PHILLIPS, William Joseph
YATES, Robert Mallory

Fredricksburg
BENSON, William R.
MORALES, Jose Maria
THORSTED, Gregory Glen

Fredricksburg
WHITAKER, James Douglas

Great Falls
DAVIES, JohnS.

Hampton
VEDELER, Erik

Herndon
CHENG, Francis Conlee
SCOTT, Arthur George

Hume
MATTHEWS, Church Myall

King George
MAYBERRY, Jon Wayne

Manassas
BULGER, Dennis Frederick
GATES, James Robert
RUDOLPH, Virginia Sue
RUDOLPH, William Mark
SADEIK, Gordon Bruce
SHANKS, James Dwane
WATJEN, David Henry

Marshall
GURLER, Robert Lyn

McLean
PATIL, Pandit Goba

Newport News
JERNIGAN, Paul I.

Norfolk
OLSON, Mary-Ann

Oakton
DORSEY, James J.

Poquoson
DOUGHERTY, Jerry P.

Spout Springs
ROY, William Arthur

Springfield
CRAWFORD, Michael Loyd
MC CORKLE, Clyde Lee
RHOME, Robert Charles
WHITEHEAD, Howard Eugene

Sterling
HARTMAN, Chalmer H.
RIVIERA, James Michael
WILSON, Robert Duane

Vienna
BLACKWELL, Louis
FOBES, Ramon Daniel
HERBSTTRITT, Roger Leonard
SAIGE, Vance Errol

Virginia Beach
ROMERO, Albert

Warrenton
LYONS, Deborah Jeanne

Williamsburg
COPELAND, Jerry Lavon

Woodbridge
CHATFIELD, Mark Morton
HOGEBOOM, Patricia McGuirk

Yorktown
HOLDEN, Dale Gordon

WASHINGTON

Aberdeen
CASE, Marvin L.

Auburn
CAWLEY, Bernard Eugene
WELLING, Stanley Roy

Bainbridge Island
MC COTTER, Ralph Eugene

Bellevue
BEDELL, Roger Glen
HENDERSON, Gary W.
KENNEDY, William Walter
WILHELM, Richard M

Bellevue
MEINZER, Robert P.

Benton City
BRADHAM, William Willford

Bothell
RIDER, Jonathan Paul

Bremerton
DOWNING, David Robert
GRAY, William West
JOERSZ, Michael Frederick
LERUM, Harlan Frederick
MILLER, Perry Dean
MYERS, Noah Hathorne
RHODES, Stephen Curtis
STEINHOFF, Cheryl Ann

Brush Prairie
VANCE, Howard Everet

Burlington
AYERS, Harold Jack

Creston
LORIER, William Wesley

Des Moines
WILSON, Carolyn Wooldridge

Edmonds
SHELTON, Mary McDonald
SHELTON, Ralph Paul

Ellensburg
BUESCHEL, Richard Frederick
WATT, David Tapager

Ephrata
BARKSDALE, Jess T.
GOSSETT, Leroy J.

Everett
GONZALES, Rudy Gonzales
RUTAR, Greg Louis
WALHOOD, David Grant
WRIGHT, David Scott

Federal Way
DAVIS, Joseph L.
DUNN, Michael Thomas
HARTLE, RichardWilliam
STRAND, William Field

Issaquah
BLANCHARD, Joseph Leo
KING, Clive Gerald

Kennewick
BARNEY, William G
HIBBS, Gilbert Lewis

Kent
CRAWFORD, Kevin Lee
REDDING, Steven Curtis

Kingston
HAFEN, Blaine Elmer

Kirkland
BENDER, Craig Laurence
DURAND, Steven James
JENKINS, John Alan
MALTRUD, Steven R.

Lynnwood
CAMPBELL, Dennis R.
VIPOND, William Louis

Medina
KAUFFMAN, Robert Ballard

Mercer Island
LIPPKER, Bruce Robert
MOORE, Jack Chipman

Mill Creek
LUJAN, Carlos Jacobo

Moses Lake
PARR, Dennis Harold

Mukilteo
FILER, Eric Paul

Olympia
ROMERO, Juan Jose

Otis Orchards
HILL, Carlton Ray

Pasco
YAZIGI, Wafa Esber

Port Orchard
PEACOCK, Jeffrey Lynn

Poulsbo
CLEMENT, Charles A.
FARNSWORTH, David Harrison

Quincy
RADKA, Lawrence E.

Redmond
CASTLE, Ann Robbins
KINDEL, Barbara Eileen
OWEN, William Wood
STAEHLIN, David Charles

Renton
JENKINS, Gary Michael
KLEEVES, Marilyn Chase
OLSON, Eric Daniel

WISCONSIN

WRATHER, Buford E.

Richland
CARMACK, James W.
GARCIA, John Martin
NEVAREZ, Richard Julian
ORTIZ, Paul G.
POLING, Lynne Wilson
POLING, Wayne Edward
RASMUSSEN, Juergen Hans Erik
WARREN, Russell Neal

Ritzville
BARDEN, David Richard

Seattle
ABEYTA, Andrew Augustine
ALLEN, James Jennings
BLOUGH, Paul Alan
BRADY, Michael John
BUFFETT, Douglas M.
CASSAN, James T.
DIETZEL, Gregory Bryan
GAYTHER, James Walter
GURNICK, Robert Jeffrey
HALL, Scott Acton
HARTMAN, Ira A.
KENNON, Brian Paul
MC CULLOUGH, William Michael
MILLER, Raymond Edward
MONTROYA, Daniel R.
MORSE, Margaret Kotson
RHODES, Glen Lester
SKAGGS-BUCKEL, Cheryl A.
WINN, Robert Kirk

Silverdale
GONZALES, Thomas James

Spokane
CAMPBELL, Samuel L.
PRINGLE, George Douglas

Stanwood
BURLESON, Leroy B.

Sumner
JHALA, Kishor
SHERMAN, Bruce Elliot

Tacoma
ENQUIST, Stephen T.
WACHTLER, Patrick Joseph

Tuyallup
CORR, Michael J.

Vancouver
CORTEZ, Reynaldo Anthony

Walla Walla
KNOWLES, Paul

West Richland
CARTER, Elizabeth Kemp
CARTER, George J.

Yakima
LUJAN, Ernestine
WALKER, Carl W.

WEST VIRGINIA

Charleston
HAMILTON, William Scott

Mc Mechen
STUDDARD, Paul William

Middleway
HEILER, Bernard Francis

WISCONSIN

Appleton
VAN BUECKEN, John David

Bristol
CAMBIO, Orlando D.

Brookfield
CROUSE, Lawrence Joseph

Collins
KLEIST, Ronald Alvin

WISCONSIN

Glendale
ROWLAND, Chester A.

Hartland
KARBASSI, Hassan

Janesville
FJELD, Gary Jerome

Little Chute
PINGEL, Charles Jerome

Marinette
CHOWNING, Ray E.

Milwaukee
WALTER, Gilbert Gustav

New Berlin
SEEKER, Steven Allen

Platteville
WABREK, Richard Moscatt

Rothschild
KRULL, Daniel Guy

Sheboygan
HASTINGS, Debbie Jean

Wausaukee
ROMERO, Martin Orlando

WYOMING

Casper
INGHAM, Frank H.
OWENS, Julie Govan

Cheyenne
BRADLEY, Frank Ellary
CREEGAN, Elizabeth Mills
MILLER, James Robert
RULLI, Vernon George

Cody
KNAPP, Ronald Kevin
LOWRY, Robert
STENMARK, Kent

Evanston
ESMAY, Michael Gibbs

Gillette
BARTON, Larry Earl
CHURCH, Robert G.
WALLER, Lonnie Verdale

Green River
PRUITT, Craig Allan
ROMERO, Larry Stephen

Hanna
DE LILLA, Edward Anthony

Hudson
SVILAR, Daniel Paul

Laramie
COCHRAN, Brad

Newcastle
HAVENER, Carroll Patrick

Riverton
BANDY, Kenneth L.

Sheridan
ELLIS, Robert Mitchell

GUAM

Agana
BALAJADIA, Andy Eustaquio
DELGADO, Augusto S.

Mangilao
APODACA, Carmella Beatrice

Tamunug
BELL, Roy

NO. MARIANA ISLANDS

Saipan
GOOD, Nathaniel Stanley

PUERTO RICO

Gurabo
MONSERRATE, Jorge Luis

Mayognez
DIAZ, Josue
FORESTIER-MERCAD, Libia E

Vega Baja
BALCAZAR, Patrick Joseph

INTERNATIONAL

Argentina
ALVAREZ, Fred
ESFAHANI, Ahmad M
GORDON, Nancy Davis

Australia
HINTZ, Thomas B.

Botswana
GAKELEBOTSE, Barulagany
Reflex
OLIPHANT, Clement
ORMACHEA, Victor Gabriel
TORRES, German

Canada
GRAY, Roland Farrell
LOW, John G.
MITSINGAS, Michael Joannou
RENDEIRO, Joao Carlos
SALLAJ, Abdul Latif

Egypt
EL-SHERIF, Samir Fathy
FERGUSON, Jim Bob
HAYS, John Daniel
JOHNSON, Lorraine Landers
MCSHERRY, Michael J.
RYAN, Hugh William
TAG, Assem Abdel-Rah.

England
BOZICH, Mark Patrick

Greece
ANGELIS, Stavros Sp.
BOTRAN, Jaime
PRENTICE, Stuart Adolf

Hong Kong
CHAN, Mai

India
ADHYARU, Tarun B.
BHEDA, Manilal P.
BJARNARSON, Sigurberg
DHINGRA, Rakesh Kumar
FISCHER, Eduard
GUPTA, Lachhman Dass
KANBAR, Sertil Ali
MORGAN, Walter Douglas
NANAVATY, Rajesh Virendraku
PELUPESSY, Arthur
PRUSKY, Irvin Jack
SHAH, Girish Chunital
SHAH, Maganlal Sardarmal

Jordan
ABU-AFIFEH, Mohammed M.
INAMURA, Junichiro
TSUKAMOTO, Kenichi

Kuwait
ABDEL-RAZAQ, Ahmed Yousef
ABDULLAH, Asad Mohamad
ARGO, Peter S.
CHEMWENO, Paul Kipkurui
JERAGH, Abdulmajee D. Abbas
KAPSANDOOY, Patrick Kurgat
KARIUKI, Maina
MUNENE, Richard Francis
THOMAS, Thomas
WATHOBIO, Kingori

Lesotho
LETSIE, Mohapi Francis

Malaysia
ABD KARIM, Mohamad Noor
ABDULLAH, Aishah
ABDULLAH, Muhammad Zaki
ABDULLAH, Sabri
ABU BAKAR, Zaimi
ALI, Mustafa Kamal
ARRIOLA-ACOSTA, Cesar
CADENA-CEPEDA, Fernando
CHAVEZ, Alfredo Eduardo
CHAVEZ, Armando Javier
CHAVEZ, Gilberto Mario
CRUZ-ACOSTA, Kenneth
Alexander
DIAZ, Eduardo Gerardo
FLORES, Jesus
FRAGOSO, Abel Chavez
GARCIA-MORENO, Felipe
GARCIA ROVIROSA, Rafael
GONZALEZ-VILLARR,
Carlos Enrique
GUTIERREZ, Guillermo
HJ. OTHMAN, Nazrillah Bte
JAMALUDIN, Khirul Salleh
LAHAM, Hanim
LOW, Mee Fong
MACIAS, Ruben Angel
MACIAS, Victor Manuel
MD. SHARIF, Rohijas B.
MOHD NAYAN, Azmi
MORALES, Cesar
OTHMAN, Dzulaidin Tasrin
PARADA, Jesus Alfonso
POTOSKY, Dennis Evan
PUASA, Muhammad Rizzal Bin
ROBLEDO-SOSA, Cornelio
SHAARI, Foziah
TERAN, Francisco
YOUNG, Samuel
YUSOF, Zulkifly Bin
ZAINAL, Zainuddin Bin
ZUHRI, A. Rahman

Mexico
DIAZ, Conrado

Mexico
DIAZ, Conrado

Nigeria
ABDULLAHI, Garba Abubakar
MALIKI, Saadu
MASHI, Garba Ibrahim
OKOH, Anthony
SANI, Adamu Ahaji
SOKOLL, Robert Edward
SULAIMON, Busar Laiwola
USMAN, Garba

Pakistan
MANSOUR, Shahin Abdelhamid
TINTORER, Jorge Alejandro

Pacific Islands
LESNIAK, Charles

Scotland
HULL, Theodore Loy
JAMA, Hussein H.
SEYED-SULEIMAN, Abdul Matin

Saudi Arabia
AL-HANFOOSH, Jaffer
Mohammad
AL-KHALIFAH, Yousef A.
AL-KHALIFAH, Kamal Abdullah
AL-NASIR, Sameer Mohammed
BISHOP, Denis Alan
BRUTON, Gregory Allen
FARRIS, Dan Ray
MAAG, John Abbott
QURAIIDIS, Saleh Ibrahim
REBIAN, Saad Ali
SALARS, Daniel Nile
STRICKLER, Gary William
UMARI, Sulayman Mohammad

Sri Lanka
VARATHAN, Sivaguru

Taiwan
CHAO, Yu-Hsing
INDRAMBARYA, Kitti
SUDCHOOKAIT, Panumat
WU, Chuan-Wei
WU, Teh-Hau

The Netherlands
ROBINSON, Rick Allen

Venezuela
DAVILA, Alba Bastardo
MILLAN, Vicente
REYES, Pedro Orlando
SKAGGS, Samuel Russell

West Germany
MEYHOFF, Edgar Gustave

West Indies
GARDNER, Earl Dexter

Yemen Arab Rep.
AKLAN, Amin Mohamed

Zimbabwe
GOTORA, Paul
MASANGANISE, Gladys
MUSARURWA, Bernard