MISSILE RANGER

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MARCH 13, 1987

CG to host Bliss show

Maj. Gen. Joe S. Owens, range commander, will host tomorrow night's "Showtime USA" at 8 p.m. in the Hinman Hall Auditorium at Fort Bliss.

This year's 1987 "Showtime USA" combines Army talent with professional production techniques, resulting in fast-paced song, dance and big-band family entertainment. The cast and crew consist predominately of soldiers and military family members who volunteer hundreds of off-duty hours to the production.

Tomorrow night's performance is open to everyone at WSMR and bus transportation will be available. Admission is free. Officers and civilians are asked to call the Protocol Office at 678-1028 for arrangements. Enlisted soldiers and their families are asked to contact their Unit Commanders or first sergeants.

Those wishing to drive to the show will be able to park at Hinman Hall behind building 2 on Pershing Road. Fort Bliss MPs will assist individuals. Access will be granted to those vehicles with WSMR decals only.

Other performances will be March 15, 20 and 21. Performances are free and open to the general public.

Renovation now underway

The kitchen and bath renovation project has completed 696 units with 189 units scheduled to be completed by Sept. 30. In order to meet the requirements of this project, the housing office will begin considering intra-post moves in the senior enlisted area. Due to the size of this project, relocation will be done by areas to avoid hardship and confusion.

A survey will be conducted beginning Monday in the senior enlisted area to determine number of occupants affected. Once moves in this area are complete the housing office will continue in another area. Updated status on effected areas will be published in the *Missile Ranger* when known.

Construction contract awarded

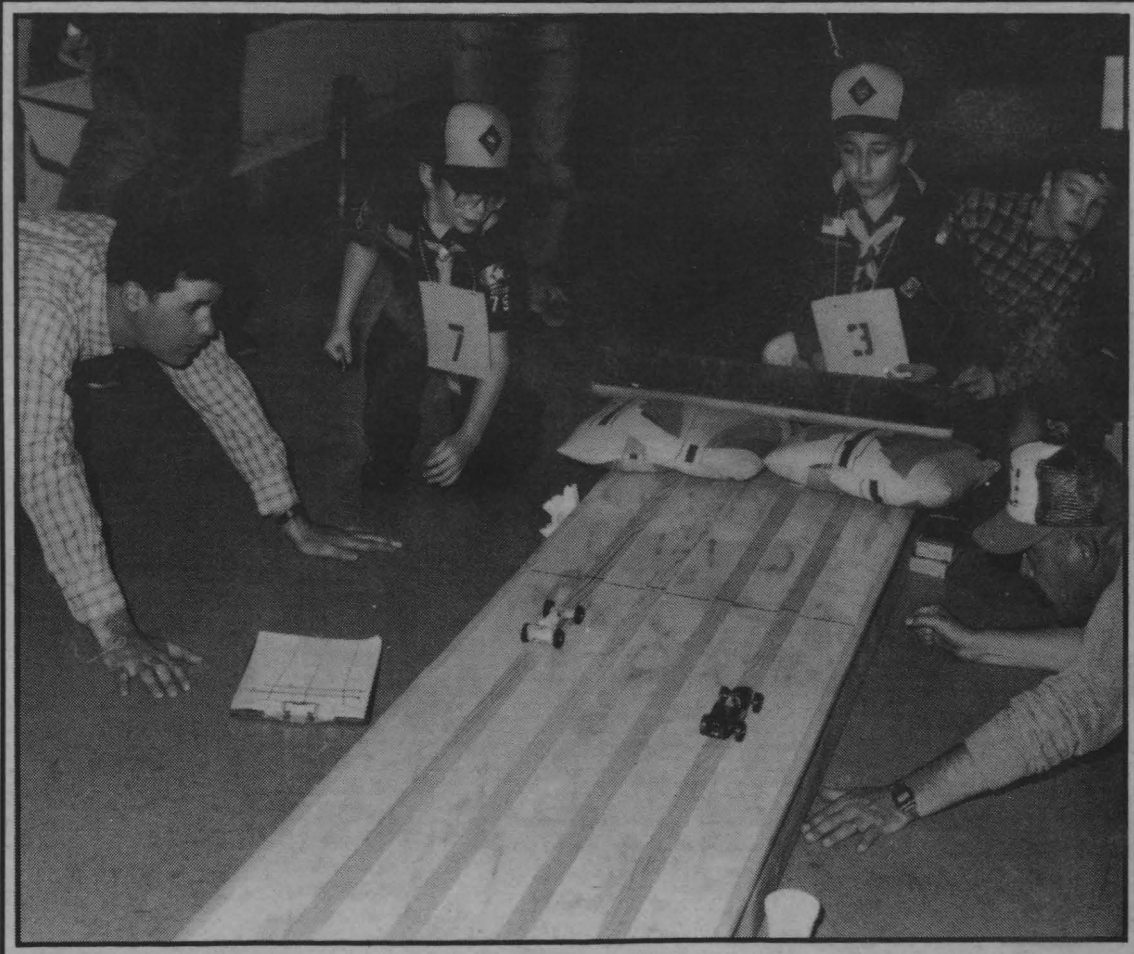
The Army Strategic Defense Command announced the award of a $197 million cost-plus-fixed-fee contract to Fluor Constructors Inc., Irvine, Calif., for construction of facilities for the Strategic Defense Initiative Ground Based Free Electron Laser (GBFEL) technology integration experiment at White Sands Missile Range.

The contract, awarded by the Army Corps of Engineers, Fort Worth District, is for construction of technical and support facilities for the project, which is a major element of the SDI research program.

The purpose of the GBFEL project is to test and evaluate the propagation of ground-based free electron laser beam technology for the SDI. The research may ultimately lead to ground-based lasers that would guide their beams with space-based mirrors to destroy nuclear ballistic missiles shortly after launch.

Corps of Engineers open local office

The Fort Worth District, Corps of Engineers has established a new Area Office here at WSMR in support of the GBFEL-TIE project. The temporary office is open in building 1871, with permanent facilities to be established at the project site at a later date. The office symbol for the new office is SWFAO-GB and the telephone number is 678-6866.



A down hill drag

WSMR CUB SCOUTS, Pack 79, held their annual Pinewood Derby. Forty boys competed with their hand-made cars. Competition was by age group and winners of each age group competed for overall place. First place was taken by Shawn Klansic, second place, Eddie Vigel, third place, Derrick Elliott, and fourth place, Danny Czarnecki. From left, 1st Lt. Chaplain William Phillips, judge, Klansic, Vigel, and SFC Willard Dunn, judge.

Seminar on family violence

Human services professionals will gather on April 9 for a two-day training seminar at the Las Cruces Hilton to discuss a solution to family violence.

The keynote speaker will be Dr. Peter Neidig, an internationally known consultant and trainer of human service providers. He has worked with both military and civilian communities.

Seminar participants will learn how to administer a 10-week training program which has successfully reduced domestic violence in military homes. Dr. Neidig will explain how to counsel couples using his highly structured 20-hour curriculum. Dr. Neidig designed the Domestic Conflict Containment Program as a short-term solution for households where violence exists.

The seminar is open to human service professionals from West Texas and Southern New Mexico. Encouraged to attend are counselors, human services providers, medical personnel, clergy, law enforcement specials, and attorneys. Participants can earn CEUs and CLEs for their attendance.

Numerous U.S. military installations around the world are successfully using this curriculum. The principles and curriculum can be readily used in civilian settings, Dr. Neidig said.

The Las Cruces seminar is jointly sponsored by White Sands Missile Range Family Advocacy Program, Valley View Hospital, and Social Workers of Southern New Mexico.

Registration fees begin at $25. For more information, contact Waynette Bridges at 678-6789 or Reba Nichols at 646-1243.

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WSMRites honored for work, length of service

Performance Awards

Luciano Vasquez	NR
Oscar Syfert	NR
Roberto Serna	NR
Roberto Viera	NR
Miguel Vasquez	NR
Armando Sanchez	NR
Lydia Wood	NR
Ernesto Sanchez	NR
Wanda L. Hansen	NR
Riley Syfrett	NR
Linda Shepard	RM
Frank Dicarlo	IS
Francisco Vega, Jr.	IS
Charles Stipe	IS
Ben Hernandez	IS
Donna Thompson	IS
Timothy Behrens	IS
Roberto Parga	IS
Theresa Marrujo	IS
Alfredo Molina	IS
Daniel Bernal	IS
Jose Deleon	IS
Robert Hernandez	PA
Virginia Morales	IS
Gilberto Guerra	IS
Edward Lopez	IS
Joseph Martin	IS
Lauro Montoya	IS
Sheila Baldwin	IS
William Smallwood	IS
Donald Baker	IS
Glyn Zumwalt	IS
Ramon Lechuga	ASL
Dolores Hale	ASL
Robert Gill	OTD
Marie Richardson	ASL
Mickey Rupe	ASL
Fred Gutierrez	ASL
Manuel Rico	ASL
Billy Longgrear	ASL
William Parsons	ASL
Yolanda Galindo	ID
Burton Williams	ID
Santiago Chavarria	NR
Rosa Perez	PR
June Higgs	PR
Margaret Ward	PR
Esperanza Morley	PR
Glenn Packard	TE
Richard Overley	TE
Karen Kelley	DE
John R. Hyndman	DE
Pablo Padilla	DE
Leonard Ward	SD
Janice Stewart	IS
Helen Judd	JA
Eduardo Manzanares	IS
Miguel Balizan	IS
Patricia Balke	IS
Robert Caples	NR
Richard Morse	IS
Isaac Orona	IS
Luis Carrera	IS
Cesario Pacheco, Jr.	IS
Bertha Marrujo	IS
Delfino Montoya, Jr.	TE
Angela Owen	OTD
Manuel Lopez Jr.	NR
Mary Costigan	NR
Reynaldo Archuleta	IS
Pablo Fino	IS
Manuel Lopez	IS
Constance Clevenger	IS
Jose Pino	IS
Delmar Torrens	IS
Jon Benz	IS
Juanita Richards	IS
Retta Nadine Davis	IS
Louie Rodriquez	IS
David Montoya	IS
Nicolas Rodriquez	IS
Wallace Vera	IS
Silvestre Ballesteros	IS
Edward Bosik	NR
Floyd Berry	NR
Barbara Combs	NR
Evelyn Haskins	NR
Kin Pearson	NR
Victor Torrez	USAISC
Elizabeth Childers	NR
Barbara Hopkins	RM
Joe Talamantes	IS
Yvonne Sanchez	PR
Norbert Dupre	PR
Gary Moody	TE
Thomas Sweany	TE
Patricia Murphey	TE

Performance Management Recognition Service Performance Awards

Craig Meier	APORS
Franklin Niles	ASL
Thomas Pries	ASL
Sharon Steffey	AS'
Gary Clayton	ASL
Donald Snider	ASL
Norbert Northrup, Jr.	ASL
Bernard Engebos	ASL
Melvin Heaps	ASL
Douglas Brown	ASL
Stanley Greene	USAISC
James Morris	ASL

Honorary Recognition Awards

Lawrence Hall - Manager Who Cares About People Award (SD)
Shirley Crawford - WSMR Federal Women's Award (CG)
Deborah Schmidt - WSMR Federal Women s Award (NR)
Waynette Bridges - WSMR Federal Women's Award (DP)

Sick Leave Certificates

John Austin	NR	2500 Hours
Robert Viera	NR	2500 Hours
Arthur Herrera	NR	2000 Hours
Robert Sharp	NR	2140 Hours
Richard Dale	NR	2500 Hours
Herbert Goodloe	NR	2003 Hours
Alfred Rucks	NR	2005 Hours
Eileen Arnold	NR	2000 Hours
Richard Oleson	NR	2000 Hours

Special Act or Service Awards

Robert Singh	NR
Nancy Gallegos	NR
Debbie Jones	PO
Guadalupe Ontiveros	IS
Douglas Hamilton	IS
Christina Martinez	IS
Robert Myers	ASL
Charles Perez	ASL
Franklyn Chavedo	ASL
Douglas Isaacson	ASL
Ronald Cionco	ASL
Marvin Kays	ASL
Kenneth Walker	ASL
Timothy Davis	ASL
Elton Avara	ASL
Ronald Smith	ASL
Dewitt Littell	ASL
Richard Carr	ASL
William Copeland	ASL
Kenneth Daby	ASL
Doyle Elliott	ASL
Gary McWilliams	ASL
Max Hartman	ASL
Donald Hayes	ASL
Anthony Jordon	ASL
Leo Lachapelle	ASL
Rose Marie Madueno	ASL
Ronnie Ziglar	ASL
Alan Simon	ASL
David Martin	ASL
James Millican	ASL
David Moeschler	ASL
Richard Savage	ASL
Jeffrey Swanson	ASL
Oscar Deana	ASL
Martin Briseno	ASL
Lincoln Ridgway	ASL
Eric Anderson	ASL
Bernard Farran	ASL
Mark LaFountain	ASL
Kenneth Odom	ASL
Joe Ramey, Jr.	ASL
Richard Petcher	ASL
Kenneth Schafer	ASL
Mildred Meade	ASL
James Young	ASL
Rodolfo Ayala	SA-E
Luciano Vasquez	SA-E
Jewel Scott	SA-E
Jake Rains	SA-E
Myrna Kroh	SA-E
Joyce Nowell	PR
Pedro Beltran	PR
Emma Martinez	SD
Dana Smith	RM
William O'Kelley	RM
Donald Harper	IS
Robert Lee	ASL
Ernest Stenmark	ASL
Rose Enriquez	ID
Regina Palomo	NR
Joyce Dyson	NR
Edwina Roman	NR
Lorene Johnston	NR
Hector Murillo	RM
Margaret Rapp	RM
Terry Williams	RM
Gloria Ride	RM
Banche Goldsmith	SA-E
Yvonne Lopez	SA-E
Maria Hernandez	SA-E
Lucy O'Malley	SA-E
Esther Montes	SA-E
Joanne Catherman	SA-E

Performance Management Recognition System - Special Act or Service Awards

Frances Williams	CG
Eugene Dirk	NR
Marion Shropshire	NR
Jon Gibson	NR

On the Spot Cash Awards

Paul Gonzales	NR
John Miller	NR
Martin Bencomo	NR
Ricardo Lopez	NR
Sarah Vasquez	USAISC
Frank Dicarlo	IS
Francisca Telles	ASL
Karel Lee	IM
Mabel Marquez	IM
Mary Lara	IM
Rosy Mercado	IM
Ebaristo Rodriguez	IM
Saul Benavidez	IM
Daniel Garcia	IM
Adam Lulei	TMDE
Sarah Vasquez	DP
Edith Rohan	DP
Catherine Miller	PR
Arthur Holguin	PR
Sally McMurry	PR
Celina Mullins	PR
Anita Lucuab	CA
Doyle Quillin	TMDE
Lewis Gosey	TMDE
Alex Duran	IS
Marc Kurz	IS
Daisan Taylor	IS
Patricia Zapata	APORS
Karen Lopez	IS

Quality Step Increases

Bernice Isaacson	IS
Carmen Sanchez	IS
Ginger Severy-Baker	IS
Antonio Castro	IS
Charles Clough	ASL
Robert Smith	ASL
Consuelo Bencomo	NR
Cathy Boeker	TMDE
Francis Trim	DP
Donna Bandera	DP
Deborah Eckles	PR
Senaida Figueroa	PR
Sharon Poindexter	JA
Elsie Jones	TE
William Garcia	DE
Robert Gonzales	IS
Ernesto Soliz	IS
Deanna Eubanks	OTD
Niles Allen	NR

Certificate of Achievement

Robert Patterson	IS
Carl Johnson	ASL
Robert Price	ASL
Irene Chambers	DP
Santos Carrera	NR
Robert Beckage	NR

Suggestion Awards

Manuel Hernandez	SD
James Kincaid	SD
Foo Lam	ID
Mile Riggins	ID
Pearlie Howell	NR
Cruz Albertsen	NR
John Boeker	VAL
Richard Wyman	USAISC
Jack Giacomo, Jr.	ID
Susan Merrick	NR
Luis Holguin	USAISC
Bryson Bennett	USAISC
Jim Worley	NR
Salley Allison	ID
Raul Ortiz	ID
Robert Tyrrell	USAISC
Alfred Klicker	SD
Charlette Reeves	RM
Doris Ryan	PR
William Garcia	DE
Ronald Chwala	SD
Lorenzo Trujillo	IS
Cleveland Wimbley	IS
William Gladwin	IS
Ron Burke	IS
Don Goosens	IS
Jose Marquez	IS
James Noble	NR
Frank Gonzalez	NR
Manuel Lopez, Jr.	NR
Richard Wyman, Jr.	NR
SFC Warren Schmidt	TE
Maria Stevens	TE
Josephine Melendez	TE
Deidre Miller	NR
James Reyes, Jr.	NR
Lorenzo Trujillo	IS
Ann Rider	VAL

Length of Service Awards

10 Years

Manuel Bustillos	ASL
Robert Sutherland	ASL
Charles Braden	ASL

15 Years

Jerry Wilson	NR
Clarence French	NR
Marilu Casillas	RM
Henry Lucero	USAISC
Melvin Meyers	USAISC

20 Years

Jess Odom	NR
Raymond Lindsey	NR
Roy Health, Jr.	NR
Robert Gibson	NR
Charles Garcia	NR
Charles Bonfiglio	NR
Tony Adler	NR
Irma Cayetano	RM
Lucy Carmack	RM
Gloria Sanchez	RM
George Rader	VAL

25 Years

Herbert Goodloe	NR
Jack Lowder	NR
Ronald Zientek	NR
Estanislado Torres	NR
Ernest Sanchez	NR
Shirley McGuire	NR
Rufina Maez	RM
Margaret Munoz	RM
Janice McDougall	RM
Andre Fournier	RM
Philip Lopez, Jr.	ASL
Gene Herriman	VAL
Ana Hinojosa	VAL

30 Years

Renate Smith	RM
Tobias Gomez, Jr.	NR
Jerome Warner	NR
Alejandro Vasquez	NR
Joe Jaramillo	NR
Victor Diaz, Jr.	NR
Alfred McClellan	NR
Charles Cromer	USAISC
Francis Hawkins	USAISC
Joe Peckumn	USAISC
Paul Meadows	VAL

35 Years

Agustin Barcena, Jr.	RM
Carlos Lucero	USAISC

40 Years

Legette Stanton	ASL

45 Years

Antonio Lopez	NR

February ISC Awards

Name	Award
Sgt. David Calhoun	Army Commendation Medal
Sp4 Kirk Cleary	Army Achievement Medal
SFC Rebecca Daniel	Meritorious Service Medal
PFC Kennth Young	Army Schievement Medal
Richard Barrela	Certificate of Promotion
John Bellows	Special Act
Michael Calkins	Certificate of Promotion
Mariano Caro	Certificate of Service
Gail Douglas	Certificate of Promotion
Gloria Espinoza	Certificate of Service
Celia Flores	Exceptional Performance Certificate
Rudy Frausto	Certificate of Promotion
Lucas Gallegos	Certificate of Service
Clyde Geddie	Certificate of Service
Larry George	Certificate of Promotion
Jerry Grimes	Certificate of Promotion
Pete Hernandez	Certificate of Promotion
Barbara Hogg	Certificate of Promotion
Lowell Johnson	Certificate of Promotion
Pauline Luchini	Certificate of Appreciation
Ralph MacDonald	Certificate of Promotion
Thomas Matkin	Certificate of Service
Maria Mendez	Certificate of Service
Edward Miller	Certificate of Service
George Navarro	Certificate of Service
Richard Patterson	Certificate of Service
Alfonso Salais	Certificate of Service
Lawrence Smith	Certificate of Promotion
Maria Tellez	Certificate of Promotion
Dan White	Sick Leave Certificate

The Missile Ranger is an off-set civilian newspaper enterprise published weekly in the interest of the military and civilian personnel of White Sands Missile Range, New Mexico, by E. E. White and M. J. White. It is not an official or semi-official Department of Defense publication. Circulation is 6,000 copies to approximately 11,000 military, civil service and contractor employees and their families. All news copy and photographs submitted for publication should be sent to the Public Affairs Office, White Sands Missile Range, NM 88002, phone 678-2716. All news photographs reproduced in this newspaper are official Army photographs unless otherwise stated.

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Post school plans science fair

A Science Fair will be held at the White Sands Elementary and Junior High School. Exhibitors from the surrounding community will set up displays and experiments to teach, encourage and possibly entertain students on April 27 and 28. Students will provide their own experiments and displays on April 30, 31, and May 1. Every students is invited to participate in this fair.

There will be three categories: Grades 1-3; Grades 4-6; and Grades 7-9. There will be one Grand Champion Trophy awarded to the best individual performance. Each category will have a first place trophy, second and third place medallions. In addition Grades 7-9 will have fourth and fifth place medallions. Each student exhibitor will receive a participant ribbon.

Grades 1-3 may display rock, seed, plant or flower exhibits. Grades 4-9 have an unlimited field of exhibits. They may choose from any science, astrology to zoology and anywhere in-between.

Individual Exhibits from the Regional Organ Procurement Agency and the Presbyterian Hospital Unit for Heart Transplants will participate giving our students the opportunity to see firsthand "science in the making."

All Scientists; young or old, civilian or military, are invited to participate in the fair. If you have an exhibit, call Richard Schriver, 678-3241 to reserve a place in the fair.

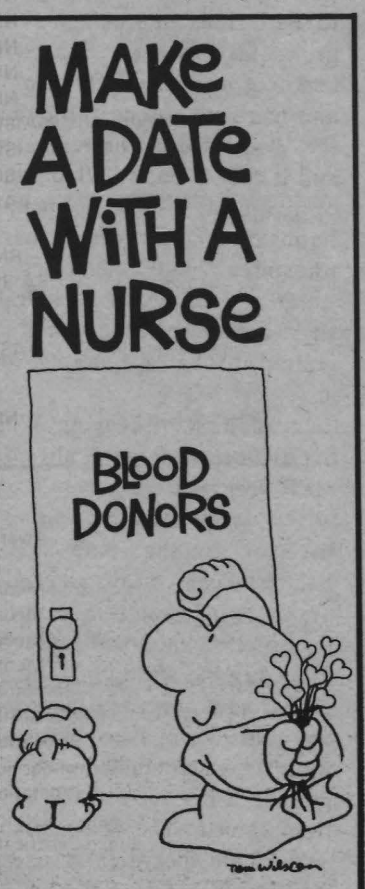
It's Monday through Friday

from the Finance and Accounting Office

The article in the *Missile Ranger* of Feb. 27 stated that the new Finance and Accounting hours were effective Mondays, Thursdays and Fridays. This was in error. Hours of operation are effective Monday through Friday.

F & A is currently suffering from a severe shortage of personnel and the reduced hours of operation is a temporary measure only.

Finance and Accounting personnel regret any inconveniences or hardships that these reduced services may cause you. Emergencies will be considered on a case by case basis.



McAfee Clinic

Cafeteria,

8 a.m. to 1 p.m.

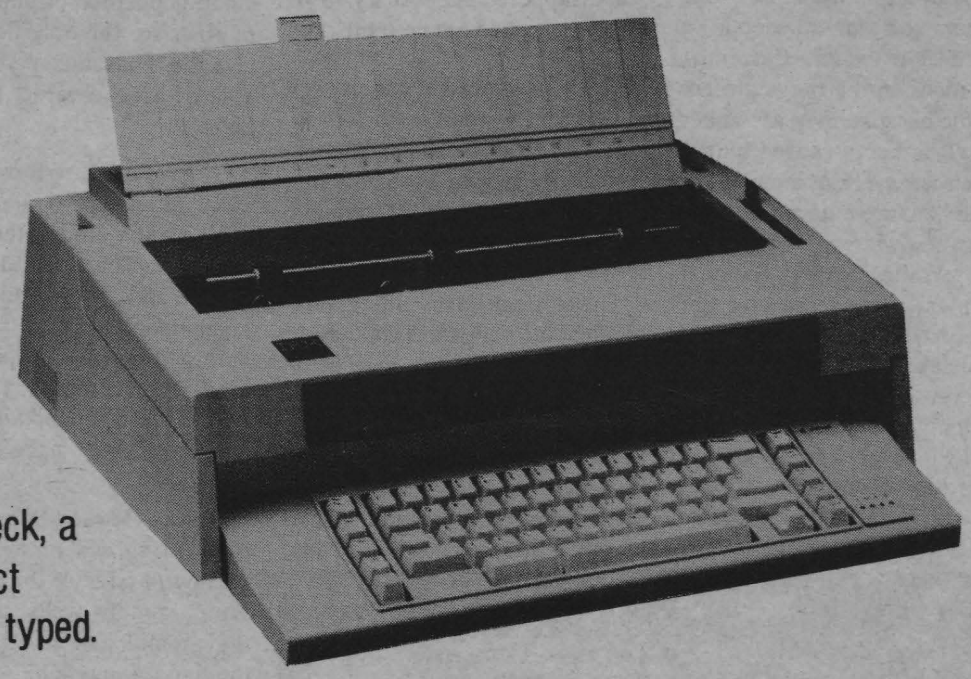
March 18

Call 678-1231

for appointment.

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Who would think water is a problem on Range?

by James Eckles

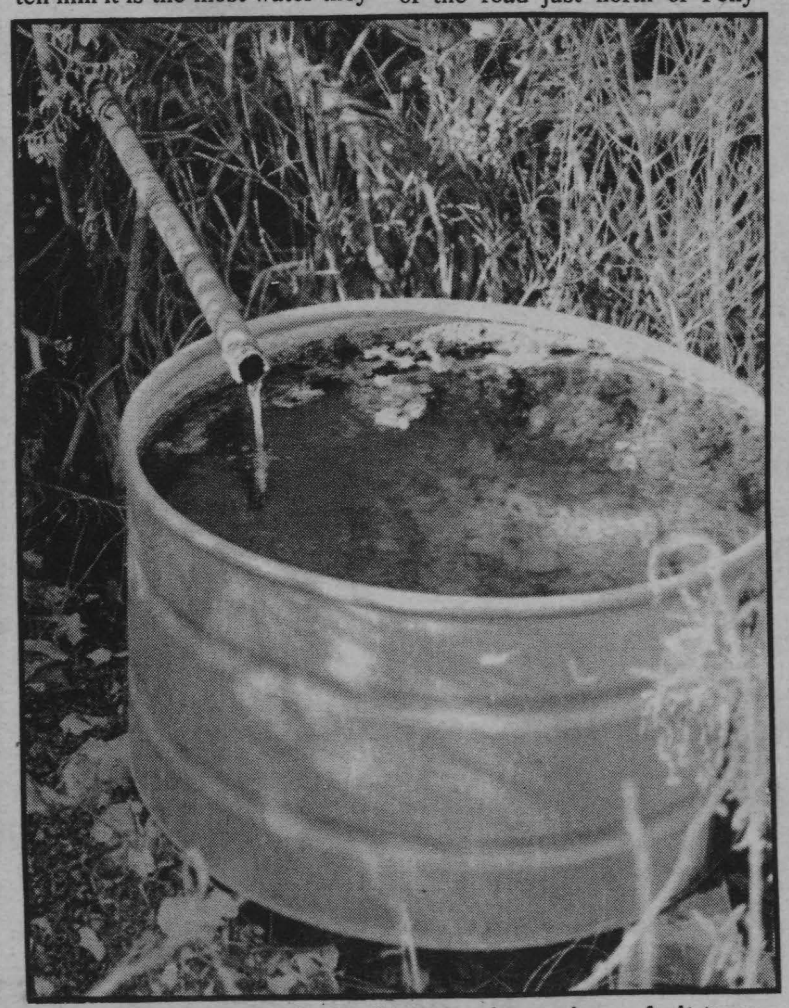
To most people outside the area White Sands Missile Range probably conjures up images of burning sand, rattlesnakes and no water. In reality, the range has numerous and widely scattered areas of surface water. Lately, that water has been a problem in some places because its over abundance.

Lake Lucero is a familiar name but there are also other lakes on the missile range. They include Lumley Lake, Big Salt Lake, Horseshoe Lake and Parker Lake. It is true these are seasonal lakes but they often hold acres of water for long periods of time. During drought most are bone dry but now many contain a great deal of water. Currently, many roads on the range are not passable because they are under water. It is being caused by the higher than average amounts of rain and snow we have had over the past few years.

The White Sands National Monument dune area, for instance. has turned into a collection of lakes because of all the moisture. According to Superintendent Don Harper, he has closed the large picnic area and part of the loop drive because of high water. He says oldtimers tell him it is the most water they have seen in the monument in their 30 years of visiting it. It is not likely to disappear very soon either. The water table in the monument is just a few inches uderground so water on the surface cannot soak into the ground. Evaporation is the only way to get rid of it.

This wet period may not be very unusual for the Tularosa Basin. Parker Lake which is just south of Highway 70 across from the Small Missile Range Gate was apparently a popular duck hunting area for Las Cruceans at the turn of the century. It also is close to Chalk Hill where Albert Fountain and his son disappered in February 1896. One person told me he thinks the bodies were tossed in the muck at Parker Lake. When it is wet the area is swampy with lots of soft mud. Right now Installation Support is having problems improving Range Road 21 through the Parker Lake area because it keeps sinking.

These small lakes are a hint of the much bigger lake which once covered a large portion of the Tularosa Basin. It extended from Lake Lucero north to an area south of Rhodes Canyon. Travelers on Range Road 7 can still see the old shores to the east of the road just north of Pony Site. Along the west shore the footprints of prehistoric animals such as mammoths are still visible. Right now, several low areas in the old lakebed contain water.



WATER FROM SAN Nicolas Spring no longer keeps fruit trees alive on the Saunders Ranch but it continues to flow. The pipe picks up water flowing down a small stream feed by the spring and dumps it into the tank for wildlife. Many springs on White Sands have tanks to hold water for wildlife.

In addition to the lakes, we have a number of springs and a stream in the Tularosa Basin. Just west of the Malpais of lava flow on the east side of the range are some very interesting springs. Mound Spring sits just west of Range Road 9 and is a high mound with a pool of water in it -- sort of a tiny version of Crater Lake. The mound is about 10 feet high and about 50 feet in diameter. The water in the pool is clear, deep and is home for as small population of pupfish. The pupfish are the only fish to survive the thousands of years since a large lake covered the basin floor.

The mounds are formed by the evaporation of the mineral laden spring water around the edges of the pool. The minerals are left behind and continue to build up, layer upon layer, as long as the spring continues to pour water onto the surface. There are several dead mounds in the area which no longer have springs in them.

South of Mound Spring is Malpais Spring which is just at the southwest edge of the lava flow. Water simply wells up out of the ground and flows out onto the flats. A marsh has developed around the spring which is frequented by horses and waterfowl. The water leaving the spring forms a stream which is about a foot deep at its source and has a small population of pupfish.

The water coming from both Mound Spring and Malpais Spring is saline but horses and wildlife can survive drinking small amounts of it. Salt Creek, on the other hand, contains water which usually has more salt in it than ocean water and is undrinkable. Salt Creek runs north to south in an area east of Range Road 7 and north of Rhodes Canyon. It has a waterfall and pools large enough and deep enough to float an adult on an air mattress.

Surface water in the mountains on White Sands is found in smaller quantities but in more numerous places. Ash Canyon in the San Andres Mountains has a lovely stream which is fed by several springs at its head. In one area water drips out of a long wall covered with ferns and into a pool. It is a lush, green spot with the sound of a babbling mountain stream.

Water flows from the upper pools down Ash Canyon for almost a mile. The distance depends on the flow of the springs which are probably affected by annual rain and snowfall. The water in this short stream supports a great variety of trees, grasses and wildlife. The wet area along the stream is known as a "riparian" habitat. It is very fragile and rather small. Just 20 feet up the walls of Ash Canyon are typical desert plants such as yucca, ocotillo and mesquite.

Texas Canyon, southwest of the main post, is another area where water flows from springs and down a stream for a short distance. Texas Canyon has a pretty little area of pools where water slides down a series of steps from one level to the next. It would make a nice picnic area for post residents, especially after a long, hot hike up to the area.

In both of these canyons the water flows out of the ground, along the surface and then soaks back into the gravel or sand typically found in a streambed. The water was originally flowing underground through porous soil. Gravity pulls it along until it hits something impermeable like a layer of rock or clay. The water flows along this obstruction always seeking the easiest route. Where that obstruction meets the surface, water trickles onto the ground as a spring or small seep. In some cases this flow moves only a few inches before disappearing and in others there may be enough water to support a waterway of several miles.

Some springs are seasonal and depend very much on annual percipitation amounts while others are more dependable. In San Andres Canyon water wells out of the ground just above a place known as Lead Camp, an old mining area. The stream goes for about 100 yards and at one point is flowing at a rate of several gallons per minute. This water is probably seasonal and only flows during wet years.

Just downstream from Lead Camp, however, is San Andres Spring. Here there are large cottonwood trees and a whole array of plant life needing a regular dose of water. The water from the seasonal seep continues underground and, more than likely, contributes to the underground and surface water at San Andres Spring.

Cottonwood trees are common around the old and reliable sources of water like San Andres Spring and Ash Canyon. In fact, more springs probably bear the name "Cottonwood" than any other single designation. Discussions about "Cottonwood Spring" have to include directions as to its location so everyone is talking about the same spring.

Cottonwood trees are native to North America and were not planted at these sites by settlers. They require lots of water and can usually be found where water is at least plentiful below the surface. Salt Cedar is a plant now commonly found around desert water holes which is not native to North America. It was brought to the U.S. as an ornamental -- it grows fast, is thick and bushy and does have a colorful bloom -- and has now spread throughout the West. It can't be eradicated and it chokes out all other forms of plant life when it invades. Its major sin, however, is that is transpires huge quantities of water which means it literally sucks the limited water out of the ground to be evaporated and lost.

In addition to keeping White Sands flora and fauna alive the many springs have played a part in the development of this area by man. On the south side of Salinas Peak, Clay and Alice Smith found water in a spring for their "mountain ranch." They dug the spring out and ran pipe from it down to a large storage tank. From there the water went to water their goats and provide water for a small wood-frame house. The goats foraged in the high mountain areas and their wool supported the Smith's through the Depression. The water from Sweetwater Spring made the whole operation possible.

The Sierra Talc Mine is located at the east entrance to Hembrillo Canyon. Lower Hembrillo Spring is on the south side of the canyon, across from the mine workings. The miners built their cabins near the canyon floor and rigged a pipeline from the spring down to a cistern to supply their small homes. It must have been refreshing to come down from the mines and bathe in clean water and, if there was no beer, drink good water.

One old ranch east of Range Road 7 and just north of the

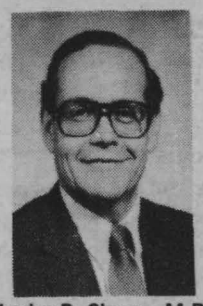
Continued on page 6



Michael B. Croxdale, M.D.
Medical Administrator,
Chemical Dependency Program



Frances S. Campbell, M.D.
Medical Administration,
Adult Psychiatric Program



Charles R. Chavez, M.D.
Medical Director,
Medical Administrator,
Adolescent Program



William J. Brennan, Jr., M.D.
Chemical Dependency Program



Mary M. Melton, Ph.D., MBA
Administrator



Harlan Fisher, Ph.D
Director, Community Liaison



Rene Gonzales, M.D.
Psychiatrist

Thank you/Gracias Las Cruces

March 1987 Valley View Hospital will celebrate its first anniversary in Las Cruces.

HSA Valley View Hospital is a free standing, 85-bed psychiatric treatment facility located on an eight-acre site in Las Cruces, New Mexico.

The 85-bed hospital includes 33 beds for adult psychiatry patients and 28 beds for adolescent psychiatry patients. Another 25 beds, for treatment of chemical dependency, are assigned to a special program.

The hospital is a locally controlled hospital owned by HSA, Healthcare Services of America, Inc. Presently it employs over 65 full time staff members of which over 80 percent were hired directly from New Mexico and the Las Cruces area. When the facility reaches maximum occupancy, it will be employing over 100 employees. The parent company HSA, is one of the largest publicly owned corporation specializing in psychiatric and chemical dependency health care.

Programs at Valley View include:

ADOLESCENT PSYCHIATRIC PROGRAM

THE RIGHT CHOICE FOR ADOLESCENT

The teenage years are full of emotional ups and downs, personality changes, and crisis big and small. That's true for nearly all young people. It's a part of growing up. But for some adolescents, the stresses and strains become overwhelming. These are the youngsters who are in constant conflict with others — or with themselves.

ADULT PSYCHIATRIC PROGRAM

THE RIGHT CHOICE FOR ADULTS

People experiencing emotional problems have special needs. The decision to refer a person for hospital treatments must be made with care. Families, referring physicians, mental health professionals, and the patient themselves, all need to be certain that the choice results in the best of psychiatric care. At HSA Valley View Hospital, you can be sure.

ADOLESCENT ALCOHOLISM AND DRUG ABUSE PROGRAM

THE RIGHT CHOICE FOR ADOLESCENTS

The problem of alcohol and drug dependency among adolescents continues to worsen. More and more youngsters experiment with alcohol and drugs. For many of them it becomes a permanent involvement. The Adolescent Program is a new approach to helping these young people, one that is based on the latest knowledge of adolescent chemical dependency — and its successful treatment.

ADULT ALCOHOLISM AND DRUG ABUSE PROGRAM

THE RIGHT CHOICE FOR ADULTS

Adult alcohol and drug problems are treated through an individually tailored in-patient program that lasts from four to six weeks. During this time, patients live and work in groups at the hospital. The closeness within the peer group generates insight into the problem and motivation for change.

HELPLINE

THE RIGHT CHOICE FOR HELP

For professional help with a psychiatric or chemical dependency problem. All calls are referred to an experienced clinician. HelpLine offers free referrals and assessments for individuals who feel that they or someone they know has a problem with chemical dependency, is experiencing psychiatric problems or has an adolescent experiencing problems.

VALLEY VIEW HOSPITAL WELLNESS CENTER

THE RIGHT CHOICE FOR EDUCATION

The Valley View Hospital Wellness Center offers a variety of Mental Health and Chemical Dependency (alcohol and drug) wellness topics as a service to the community. This service is offered either at Valley View Hospital or delivered to the group requesting the seminar or workshop at their facility.

Ninety percent of the services are free of charge to area organizations, but occassionally when co-sponsored workshops that offer CEU, CLE or MEU credits are given, a fee is charged.

If you need help or information, call HSA Valley View Hospital today at 522-4407. Or write for our brochure. HSA Valley View Hospital Helps.

HSA Valley View Hospital

3751 North Del Rey Boulevard
Las Cruces, New Mexico 88005
505 522-4407



Andrea Fitzgerald, ACSW
Senior Clinician, Adolescent Program



Joe Provencio
Senior Clinician, Chemical Dependency Program



Patricia Park, MA
Director, Counseling Chemical Dependency Program



Mona Morgan, M.Ed.
Director, Psychoeducation



Jesus E. Valenzuela, ACSW
Director, Social Services



Robert DeWitt
Director, Food Services



Linda Daniels, Ph.D.
Director, Department of Psychology



Hannah Plaut, MSN, RN
Director of Nursing



Priscilla Ford, ART
Director, Medical Records



David Vanbebber, BA
HelpLine Counselor



Kathleen Hodges, MA
HelpLine Counselor



Charles Daniels
Manager, Plant Operations

Who would think water

Continued from page 4

Small Missile Range found its water to the west at San Nicolas Spring. A pipeline carried the water down to the ranch house. In addition to supplying daily needs, the water also was used to irrigate a small orchard of fruit trees. The water hasn't flowed through the pipeline for decades now and the trees are dead and gone.

San Nicolas continues to flow and is now used by wildlife as a watering hole. In many places the missile range has rigged holding tanks at these springs so animals will always find a pool to drink from.

How safe is all this water on the missile range? That is hard to say. Some of the springs probably provide pure water which would not hurt a thirsty human being. On the other hand, that "cool, clear water" could contain giardia or some other harmful bug or mineral. Boiling, chemical treatment and filtering will probably protect drinkers from possible bacteria and parasites but these methods do not remove harmful minerals such as arsenic which could be present in water around old mining areas. In addition, some of the springs in the basin are so salty the water would quickly make the drinker sick.

The best advice is not to drink any of it as the old aphorism, "Better safe than sorry," still makes good sense.

TROA meets Wednesday

The Retired Officers Association (TROA) monthly dinner meeting is at 6 p.m. March 18 at Picacho Hills Country Club. Dues for 1987 are payable. For information call 526-2579 or 524-4813.

WSMR School Menu

MONDAY: breakfast - pears, raisin bran cereal, milk; **lunch** - chicken nuggets, mashed potatoes, chicken gravy, buttered green beans, sliced pineapple, whole wheat dinner roll, milk;
TUESDAY: breakfast - fruit punch, banana bread, milk; **lunch** - ravioli casserole, buttered broccoli, tossed garden salad, choice of salad dressing, sliced banana in fruit juice, whole wheat dinner roll, milk;
WEDNESDAY: breakfast - sliced fresh apple, ko's cereal, milk; **lunch** - hot dog on bun, french fries, mustard/ketchup/relish, carrot stick, celery stick, vegetarian beans, chocolate brownie, milk;
THURSDAY: breakfast - orange juice, cinnamon twist, milk; **lunch** - pizza burger on a bun, buttered sliced potatos, cherry tomato with broccoli floret, peaches, milk;
FRIDAY: breakfast - fruit cocktail, sunshine bar, milk; **lunch** - refried bean tostada, shredded lettuce, diced tomato, and grated cheese, spanish rice, applesauce with lime gelatin, trail mix, milk.

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Cub Scouts on recruiting drive, schedule bake sale

The Cub Scouts of White Sands Missile Range Pack 79 will be holding a bake sale on March 14 at the Commissary from 9 a.m. to 2 p.m.

Currently the Cub Scouts are also in a recruiting drive for boys to join the scouts from first grade to 10 years of age. Those boys in first grade are encouraged to join the Tiger Cubs, an organization which meets once a month, and with the rest of the Cub Scouts at the annual Blue and Gold and the May Pack meeting where they cross over to the Cub Scouts.

Boys in the second grade up to age nine will join the various dens of bobcat, wolf and bear and meet weekly as dens, and monthly as a pack (where all the dens meet). Boys age 10 will join the Webelos Den, and meet weekly as a den and monthly with the pack. Boys aged 11 to 15 are encouraged to join the Boy Scouts, those boys 16 to 18 are encouraged to join the Explorers.

Along with the drive to recruit boys, the cubs are also in a major recruitment drive for adult leaders. The turnover rate of leaders due to PCS and mission requirements is running at about 85 to 95 percent per year, and currently we have quite a few open positions which would be very nice to fill.

We need den leaders, committee members, activities chairmen, and are really looking for continuity, so we really want newly arrived people to jump in! There is a Cub Scout Leader Basic Training Course starting on March 21 and it would be nice to fill it with WSMR personnel.

For further information, contact Lori Andrews at 678-6705, or Al Hattlestad at 678-3780.

Letter to editor

Lovely chimes

Editor:

One of the most pleasant additions to the WSMR post area is the lovely chimes at the Post Chapel. One can enjoy the beautiful ringing while walking on an errand in the morning or during lunch time.

The music is, indeed, a traditional and rewarding assurance that the world is a good place, and that we are fortunate to be living at this time.

Thank you, Chaplains, for an inspiring lift to our day of work.

The Post Library Staff

Senatra Murrell, Gloria Espinoza, Deborah Julks, Rita Smith, Grace Lewis, Eula Curtsinger, Mazie Kassim

Monthly test of sirens due Monday

The monthly test of the WSMR Air Defense Warning System (sirens) will be conducted between 10 and 10:30 a.m. Monday.

The purpose of the test is to ensure adequacy of the post sirens and to familiarize WSMR personnel with the warning signals.

The attention or alert signal (steady tone) will be sounded for one minute followed by one minute of silence and then the attack warning signal (wavering tone) will be sounded for one minute.

All inoperative sirens are to be reported to the Plans and Quality Assurance Directorate, 678-3803.

No other action is required during the test.



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Civilian Corner

Rigid rules will apply to Fed workers drug tests

Editors Note: This column offers news of interest to federal employees. Information is furnished courtesy of the WSMR Chapter of the Federal Manager's Association.(FMA).

In my column printed in the March 6 edition of the **Missile Ranger,** there was an error that needs correcting. In the paragraph titled "Example of How it Works," Step 1 (page 17) should read ("Contribution divided by value factor for age 60"). My personal thanks to Bob Edmonds, IG Office for alerting me to the error. I hope that our readers were not inconvenienced.

FY 88 Budget

Information being leaked into the field from congressional sources tell us that the recommendations sent by House Post Office and Civil Service Committee to the House Budget Committee will reject all of the Administration's proposals affecting Federal employees. We have to keep an eye on what is being offered by the Administration and on what is rejected by our legislators.

Drug Testing Captures the Scene

Recently, a hearing was held on two Senate bills by the Senate Committee on Commerce, Science and Transportation. Both bills (S.362 and S.356) are concerned with the drug testing initiatives.

During the hearing, Secretary of Transportation Elizabeth Dole cited some rather significant data -

- drug testing of employees of the Department of Transportation will cost the government from $3 million to $5 million including first and second tests and for rehabilitation of marijuana users:
- costs do not include the rehabilitation of cocaine users:
- testing that has already been conducted in the Armed Forces has shown a reduction in usage from 10 percent to 5 percent;
- drug testing conducted in the Armed Forces showed that 5.7 percent of those tested were alcohol users and 3.8 percent were drug users.

More on Drug Testing

Considering the data put forth by Secretary Dole, there are other initiatives in drug testing being taken by federal agencies such as Health and Human Services, Department of Justice, Drug Enforcement Administration, and U.S. Customs Service. The Department of Health and Human Services has issued an extraordinary set of guidelines that provides the ultimate in rigid monitoring of employee samplings. Testing the temperature of samples and the placing of a blue dye in the sampling locations were included in the guidelines.

The following is a partial listing of the rigid rules to be followed:

- Monitors to be stationed in the rest room but outside of the actual location of where the employee gives the sample;
- No direct observation of the employee unless reasonable suspicion of tampering is established;
- A blue dye placed in the commode so that other water cannot be used to dilute the sample;
- Temperature measurement of sample immediately after receipt but in no case longer than four minutes. If specimen temperature is outside the specified range (90.5 - 99.8F), another specimen temperature is outside will be collected under direct observation.

The program will minimally test for marijuana and cocaine. However, other narcotics could be added to the list by certain agencies.

One saving procedure; if a person tests positive in the initial test, they will bi given a second test to confirm the positive. Attorney General Meese said it was important to "debunk" the myth that drug testing would result in automatic firings for second tests. Meese stressed that results of false positive tests would not be reported to the employee's office.

OPM reports that they have begun pilot testing the training of federal managers on how to deal with employees who have drug-related problems.

What do the Critics Say

Bob Tobias of the National Treasury Employees' Union called the guidelines "futher onslaughts on employee Fourth Amendment rights and a comic exercise in tidy-bowl justice; and the rules add more insult to constitutional injury."

Kenneth Blaylock of the American Federation of Government Employees called the guidelines "outrageous and extreme, and the cost of testing ($20 per sample) would be better spent on drug education and fighting the flow of illegal drugs into the U.S."

New Bills in the House and Senate

The following are some bills introduced in both Houses of Congress concerned with the federal workforce:

H.R. 648 by Gilman (R-NY) - A bill to amend Title 5, United States Code to codify the Congressional Award for Exemplary Public Service Program.

H.R. 987 Hughes (D-NJ) - A bill to amend Title 5, United States Code, to liberalize certain provisions authorizing reimbursement for expenses of sale and purchase of a residence upon transfer of a Federal employee.

H.R. 988 by Hughes (D-NJ) - A bill to amend Title 5, United States Code, to include service during World War II in the

Continued on page 12

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THE INCOME TAX PEOPLE

Full intramural sports program offered pupils

by Peggy Love

Intramural sports are offered to White Sands students, grades six through nine. Students are eligible to participate in any or all parts of the program. Practice for each sport is held after school, four days a week, for about one hour each day. Competition consists of a minimum of 4 to 5 games in each team sport and are handicapped according to grade level.

Physical Education teachers Wendee Feldman and Ron Garcia organize and supervise the intramural program. They contribute many hours to its success.

Garcia states that of the 130 Junior High students, approximately 100 join at least one activity. He also states that about 50 of the 60 sixth graders participate. Therefore, about 150 students at White Sands School enjoy the intramural program that is provided.

Volleyball (coed), soccer (coed), basketball, and football have already been completed this school year. Gymnastics, wrestling, and track and field events will be offered during the remainder of the school year. Girls may participate in wrestling but may only wrestle other girls.

Upon completion of each sport, members of the top four teams receive ribbons. Each person on any of the competing teams has the right to vote for Most Valuable Player (MVP) and Outstanding Referee.

At the end of the school year in an awards assembly, school letters are given out based upon a student's participation in intramurals. To receive a minor varsity letter, a student must have been in 75 percent of all sports. For a major varsity letter, a student must have participated in 100 percent of all sports.

MVPs are given a pin to go on their school letter. The overall MVPs (boy and girl) names are engraved on a school plaque at the end of the school year.

Listing of team standings, first place team members, MVPs and Outstanding Referees for the four completed intramural sports are given below.

VOLLEYBALL

First place team members were: Dee Alexander, Aaron Osburn, Mike Sardina, Joe Smith, Will Trujillo, Connie Durisko, Felicia Thompson, Elizabeth Williams and Joe Torres. MVPs Chris Torres, Jason Tyler, Todd Isler, Joe Torres, LaNell Scarbrough, Priscilla Svarbrough, Wendy Gibson, and Elizabeth Williams. Outstanding referee, Elizabeth Williams.

Soccer

First place team members were: Kevin Citizen, Chris Medina, Leanne Bryant, Kym Northup, Lori Otto, Nicole Warden, Dee Alexander, Aaron Obburn, Mike Sardina, Joe Torres, Will Trujillo, Darryl Telford, Adrianne Aurand, and Joe Smith. MVPs - Nelson Adames, Jason Tyler, Shawn Leonard, Dee Alexander, LaNell Scarbrough, Priscilla Scarbrough, Wendy Gibson, and Adrianne Aurand. Outstanding referee, Aaron Osburn and Adrianne Aurand.

Basketball - (Girls)

First place team members were: Paula Garcia, Michelle Bryant, Priscilla Scarbrough, Mayoke Adeogba, Veronica Baskette, Jean Salazar, and Amanda Daniel. MVPs - Lanell Scarbrough, Priscilla Scarbrough, Bridget Botello, and Elizabeth Williams. Outstanding referee, Priscilla Scarbrough.

Basketball (Boys)

First place team members were: Aaron Osburn, Dee Alexander, Joe Torres, Kevin Citizen, and Mike Laycock. MVPs - Zvenny Scarbrough, Jason Tyler, Shawn Leonard, and Kevin Citizen. Outstanding referees, Aaron Osburn and Priscilla Scarbrough.

Flag Football - (Girls)

First place team members were: Veronica Baskette, Michelle Bryant, Paula Garcia, Jean Salazar, Priscilla Scarbrough, and Mayoke Adeogba. MVPs - Lanell Scarbrough, Priscilla Scarbrough, Bridget Botello, and Elizabeth Williams. No outstanding referee.

Flag Football (Boys)

First place team members were: Dee Alexander, Kevin Citizen, Ed Feighny, Mike Jurca, Mike Laycock, Aaron Osburn, Joe Torres, and David Barrett. MVPs - Zvenny Scarbrough, Jason Tyler, Shawn Leonard, and Kevin Citizen. Outstanding referee, Aaron Osburn.

Pictures on pages 10 & 11

Golf specials

The WSMR Golf Course will have its regular Skins Game on March 14. There will be a $2 additional fee per person for prizes in the different categories: best scratch score; best score and handicap; most birdies scratch; and most scores under par and handicap.

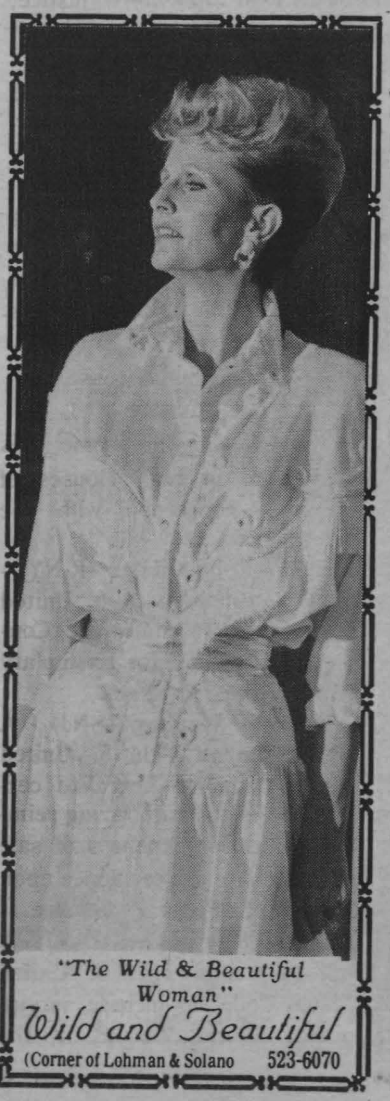
The Mixed Scotch game will be held March 29 at 1 p.m. Bring a piece of meat to barbecue and a dish to share. The cost will be $3 per person for nine holes. For more information call the Pro Shop at 678-1759.

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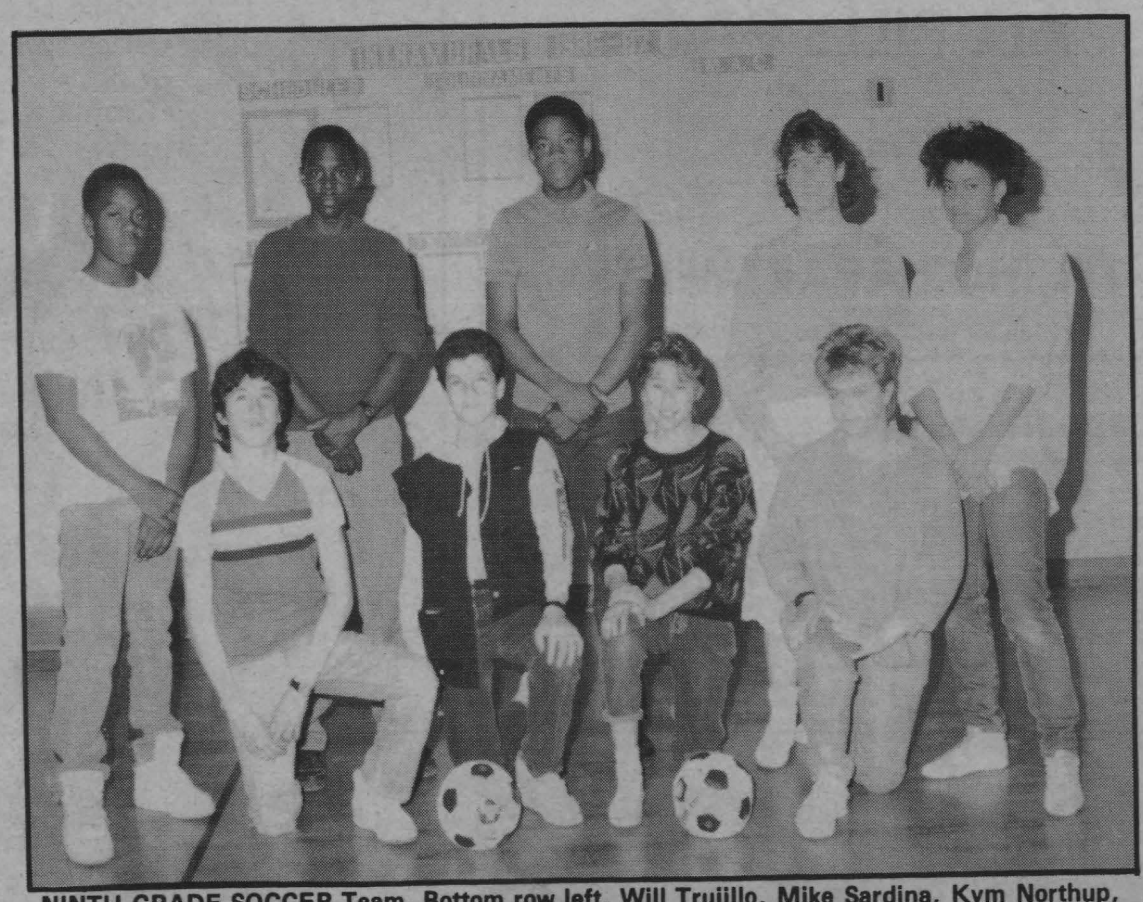
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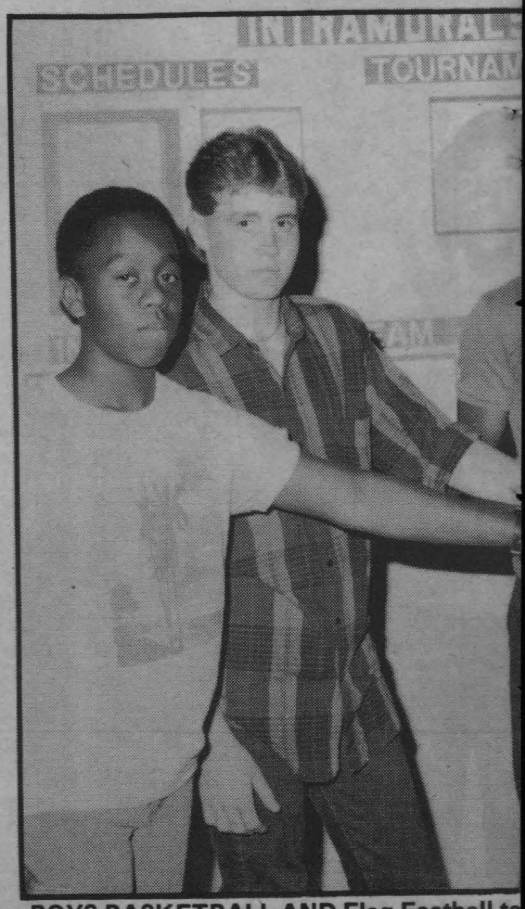
GIRLS BASKETBALL AND Flag Football teams. Bottom row left, Debra Laycock, Mayoke Adeogba; middle row left, Paula Garcia, Veronica Basket-te, Angela Elzey; top row left, Michelle Bryant, and Priscilla Scarbrough.



NINTH GRADE VOLLEYBALL Team. Bottom row left, Elizabeth Williams, Mike dina; top row left, Connie Durisko, Aaron Osburn, Dee Alexander, Will Trujillo, cia Thompson.



NINTH GRADE SOCCER Team. Bottom row left, Will Trujillo, Mike Sardina, Kym Northup, Nicole Warden; top row left, Aaron Osburn, Dee Alexander, Kevin Citizen, Leanne Bryant, and Felicia Thompson.

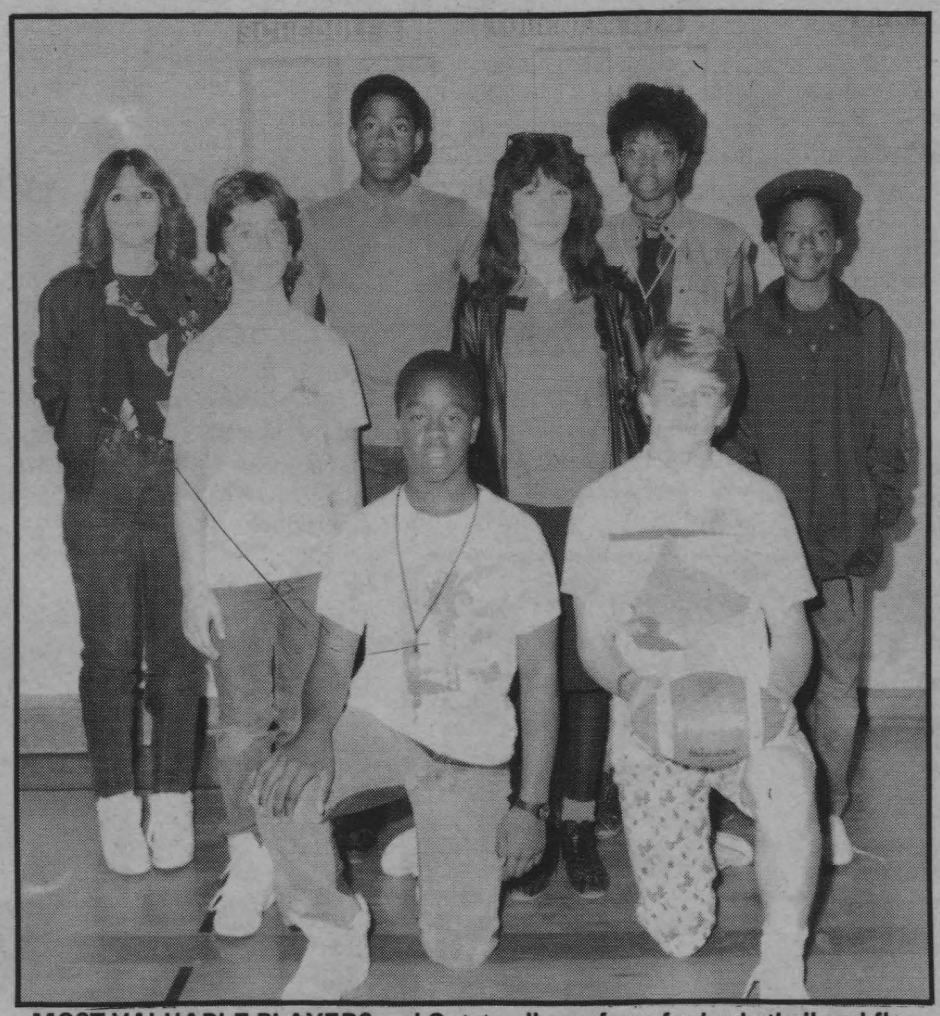


BOYS BASKETBALL AND Flag Football te zen, Dee Alexander, and Ed Feighny.

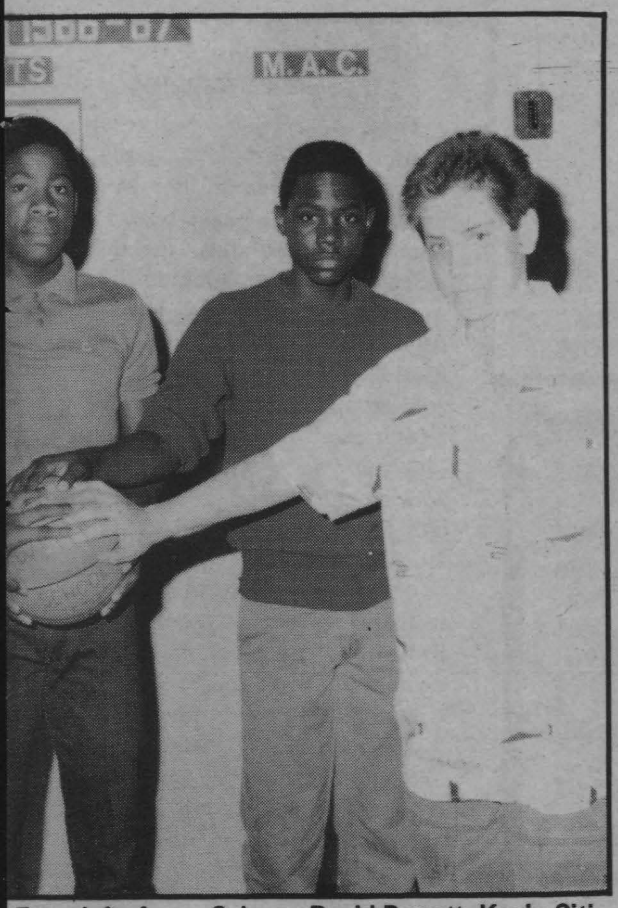
ed intramural athletic programs



MOST VALUABLE PLAYERS and Outstanding refrees in volleyball. Bottom row left, Jason Tyler, Chris Torres; tow row left, Todd Isler, Dee Alexander, Priscilla Scarbrough, and Elizabeth Willaims.



MOST VALUABLE PLAYERS and Outstanding refrees for basketball and flag football. Bottom row left, Aaron Osburn, Shawn Leonard; middle row left, Jason Tyler, Bridgette Botello, Zvenny Scarbrough; top row left, Elizabeth Williams, Kevin Citizen, and Priscilla Scarbrough.



From left, Aaron Osburn, David Barrett, Kevin Citi-



MOST VALUABLE PLAYERS and Outstanding refrees in soccer. Bottom row left, Jason Tyler, Chris Torres; top row left, Aaron Osburn, Dee Alexander, Priscilla Scarbrough, and Shawn Leonard.

Briefly

Car wash hours

The car wash at the Auto Craft Shop will be open every Wednesday, Thursday, and Friday beginning at 11 a.m. Auto Craft Shop hours of operation will remain the same.

Soccer trials

The 1987 All-Army Trials are fast approaching. The Army encourages qualified individuals to pick up application forms from Community Recreation Division, building 124, room 106. Completed applications must be turned in by March 25. The trials will be held at Camp Lejuene, N.C. from June 21 through 27.

Upcoming All-Army Trials include mens' and womens' softball, golf and tennis. For more information, contact the Community Recreation Office at 678-1256.

Wives to meet

The International Wives will meet at 7 p.m. on Wednesday, at the Countdown Recreation Center. The topic will be "Successful living in a foreign country." Yelena Parker, the Family Advocacy Educational Specialist, will be the guest moderator. For more information, call Army Community Service (ACS) 678-6767, or stop by 215 Loki.

O club events

Tonight at the Officers Club, Radio Direction will provide a disco entertainment. The dining room special is steak and lobster for $13.95. The new a la carte menu is also available.

On March 21, the club will offer beef and burgundy for $8.95 per person from 6 to 8 p.m. Entertainment will follow until 11 p.m. Reservations are needed by Wednesday for members and invited guests.

Officers Club members will get a 10 percent discount at lunch, brunch and on the a la carte menu. The next community brunch will be on March 22 from 10:30 a.m. to 1 p.m.

Workshop set

The Family Member Employment Assistance Program is planning two workshops on writing a resume. The two classes are planned for March 31 and April 4 from 1 to 3 p.m. both days. You may attend either class. For more information or to register for the workshop call Tina Dalcour at 678-6571 in the afternoons, Monday through Friday.

Post Movies

FRIDAY: *Assassination (PG-13)*
SATURDAY & SUNDAY: *The Bedroom Window (R)*
MONDAY: *The Mosquito Coast*

Rigid rules will apply to

Continued from page 8

United States Merchant Marine as military service for the purposes of the civil service retirement system.

H.R. 1076 by Oakar (D-OH) - A bill to amend Title 5, United States Code, with respect to the method by which premium pay is determined for irregular, unscheduled overtime performed by a federal employee.

S. 508 by Levin (D-MI) - A bill to amend Title 5, United States Code, to strengthen protections available to federal employees against prohibited personnel practices, and for other purposes.

S. 552 by Evans (R-WA)- A bill to improve the efficiency of the Federal Classification system and to promote equitable pay practices within the federal government and for other purposes.

SJ.E 42 by Thurmond (R-SC) - Joint resolution disapproving the recommendations of the President relating to rates of pay of certain officers and employees of the federal government. This resolution passed by voice vote.

1988 Presidential Politics

The nation now has two declared candidates for President for the 1988 election: Pierre du Pont - Republican; and Richard Gephardt - Democrat.

Retirement Policy Change

The Office of Personnel Management has decided to give federal retirees an extra 30 days to decide whether they want to take a basic pension or an alternative "lump sum" annuity. OPM will provide retirees with a Internal Revenue Service-approved explanation on how "lump-sum" withdrawals will be taxed.

This policy change will cover those employees who retired since June 6, 1986, the enactment date of the FERS Act. The retirees will be enabled to get back up front what they contributed to their pension, in exchange for a reduced annuity. OPM did set a limit of 30 days from date of notification for a response, or the agency would automatically select a convential annuity for them.

FMA National Workshop

The FMA National Workshop Conference started yesterday and will continue until the evening of March 17. I have been invited to attend this function along with other Chapter 132 delegates and will not have a column in the March 20 edition of the **Missile Ranger.** In my column for March 27, I will give a complete resume of the events, and our visits with the New Mexico and West Texas legislative representatives to both the House and Senate.

If anyone has any item of information they feel should be brought to the attention of the civilian workforce, contact Chapter 132, Federal Manager's Association, P.O. Box 250, WSMR, N.M. 88002. Questions concerning membership in FMA should be referred to Juan Ogaz by calling 678-1617. For more information on today's column contact Irv Rubenstein, WSMR Chapter, FMA by calling 678-5863.

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Construction helpers perform variety of tasks

Editor's note: Information taken from "Facts for Consumers" from the Federal Trade Commission.

Beginners' jobs are usually of the simplest type, such as unloading trucks or keeping the work area free of debris. As workers gain experience, job assignments become more complex. In order to prepare laborers for more difficult tasks, contractors and unions have established 4- to 8- week entry level training programs in many states to teach basic construction concepts, safety practices, and machinery operation. In addition, some programs offer training to help experienced laborers keep abreast of technological advances.

Employment of construction trades helpers is expected to grow more slowly than the average for all occupations through the mid-1990's. Despite the projected slower than average growth, job openings should be plentiful because the occupation is large and turnover is high.

Many people take laborer jobs in order to earn money for a specific purpose-for example, a college education-and quit after a short time. Others decide they don't like the work and leave the occupation. Still others stay only long enough to acquire the minimum skills that enable them to move into construction craft jobs such as carpenter, bricklayer, or cement mason.

Growth in population and economic activity will spur construction work in the years ahead. Laborer employment will not keep pace with the level of construction, however, as continued mechanization and technological advances reduce the need for human labor. This mechanization has affected helpers more than other construction occupations and will likely continue to do so.

Employment of construction laborers is highly sensitive to cyclical swings in the economy, particularly to the level of construction activity. Consequently, layoffs are common in economic downturns.

Median weekly earnings for construction trades helpers working full time were about $225 in 1984. One-half earned between $185 and $300 weekly; the highest 10 percent earned more than $400 a week. Annual earnings for construction trades helpers generally are lower than weekly earnings would indicate because poor weather and downturns in construction activity limit the amount of time they can work.

If you would like further information about this career field, call the Job and Career Resource Center at 678-6571.

Construction trades helpers, also known as construction laborers, provide much of the routine physical labor on all types of construction projects. They perform a wide variety of tasks, often working without close supervision. They dig trenches, set braces to support the sides of excavations, clean up rubble and debris, and unload and deliver materials, machinery, and equipment to carpenters, masons, and other construction workers during all phases of a construction project.

Some construction laborers have job titles that indicate the work they do. Bricklayers' tenders and plasterers' tenders, both commonly known as hod carriers, help bricklayers and plasterers by mixing and supplying materials, setting up and moving scaffolding, and providing many other services. Hod carriers must be familiar with the work of bricklayers and plasterers and know the materials and tools they use. Construction laborers also pour and place concrete for cement masons, who do the finishing work.

Laborers may operate motorized equipment such as cement mixers and lifts and ditchdiggers of the "walk-behind" variety, small mechanical hoists, and laser beam equipment to align and grade ditches and tunnels.

Construction trades helpers held about 436,000 jobs in 1984. Consruction contractors were their major employers.

Although construction helpers' jobs require only a few basic skills, some jobs require training and experience, as well as familiarity with construction methods, materials, and operations. Generally, applicants must be at least 18 years old, in good physical condition, and be willing to work hard.

Many new employees transfer from lower paying occupations such as farm laborer or janitor. Many other persons take jobs as construction laborers because little previous experience is required.

COUNTDOWN

COMING ATTRACTIONS IN March. Sewing repairs for single and unaccompanied soldiers on March 11, and March 25, from 6 to 9 p.m. Open all night - March 13, from 2:30 p.m. on. Friday until 10 p.m. Saturday. Magdelena VLAX Observatorium Tour - March 21. The bus leaves at 7 a.m. St. Patrick's Day Activities - Shamrock Races and Green Tuesday Bar on March 17.

COMPUTER USERS GROUP. The Computer Users Group will meet on Sundays at 6 p.m. If you bring your computers, it would be appreciated. If you have programs to share, bring them also. If you would like to learn basic computer language, come and join us!

POOL TOURNAMENT IS HELD EVERY Saturday at 3 p.m.

COFFEE CALL. Start your Sunday mornings with a fresh doughnut and coffee at the Center at 10 a.m.

PINOCHLE TOURNAMENT is played every Sunday at 2 p.m. This is an adult program. If you would like to learn, contact us for lessons.

ST. PATRICK'S DAY. Join us for St. Patrick s Day celebration with Shamrock Races and a "Green Tuesday Bar" at 7 p.m. on March 17.

CLOTHING REPAIR. Single and unaccompanied soldiers, don't forget clothing repair nights on March 11, and March 25, from 6 to 9 p.m. Bring your clothing for repair by the Center staff. Only one uniform per person for patches.

FLEAMARKET. Come to the Center for the Spring Fleamarket, on March 13 and 14 and have an all night fleamarket so you can do your shopping or selling after the kids are in bed. Call 678-4134 to reserve your space. Space is limited and is provided on a first come, first serve basis.

VIDEO CLUB. Members, on March 18, a movie is only $1 with this ad! One ad per customer.

MOVIE DAY. On Tuesday and Wednesdays from 2:30 to 9:30 p.m. pick a movie from our video selection to view at the Center.

TICKETMASTER (CASH ONLY) is in the Center, building 250. Open Monday through Friday, 2:30 to 6 p.m. Community Recreation Division has a service fee of 50 cents per transaction. Please have correct change.

LA TRAVIATE - University of Texas at El Paso, April 9-11, 8 p.m., $7.50; April 12, 2:30 p.m., $6.

For more information, come by the Countdown Recreation Center or call 678-4134.

NATIONAL WRESTLING ALLIANCE. Pan Am Center, Las Cruces, March 18, 7:30 p.m. $8, $11, $13, $16.

ALICE COOPER CONCERT. Civic Center, El Paso, March 24, $16.

CLOSED CIRCUIT BOXING. County Coliseum, El Paso, April 6, 7 p.m., $22.35 and $33.

EL PASO BORDER CHORDERS. Civic Center Theatre, El Paso, April 11, 8 p.m., Adults - $8-$4; Ages 6-12-$4-$6; Seniors (65 and over)-$4-$6.

STATLER BROTHERS CONCERT. Rescheduled for April 12, 7 p.m., Pan Am Center, Las Cruces, $13.50. Tickets which were previously purchased for the Statler Brothers Concert will be honored or refunded at the place of purchase. Contact the Center for more information.

WESTERN PLAYLAND COUPON BOOKS. Now on sale for the 1987 season - $17.05.

OWC art auction

The White Sands Officers Wives Club will have a luncheon on March 17, at the Officers Club. Social hour will begin at 11:30 a.m. and the luncheon will follow at noon. The program is a fashion show with our own OWC members as models. Shelby Bolke, Beauty for all Seasons, will provide the fashions. Reservations should be made by noon today by calling 678-4217.



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ARMTE News

50-ton Bad Guy tanks steered by robot target team

by
Robert E. Heyser
Measurements Branch
Applied Sciences Division

How would you like to have a 50 ton tank between the fingers of your hand? Well that's what the members of Measurements Branches' Target Robotics Team have. They provide the control for the ground targets that play the role of the Bad Guy in the testing of Army weapons systems.

The Army Materiel Test and Evaluation Directorate (ARMTE) at White Sands Missile Range has provided project oriented remotely controlled tank targets since the 1960's. During the early years, the control systems were fabricated from surplus B-17 servo/control hardware and were essentially one-of-a-kind; each adapted for a particular vehicle. The need for remotely controlled targets increased as time passed, so in the 70's, improvement of the system was given serious consideration.

In 1978, a modernization program was initiated. The modernization directions were simple; provide a reliable, low cost system to fulfill the command and control requirements for single moving target presentations. Hardware was delivered to White Sands in 1980 for field testing. In 1981, Measurements Branch (TE-AM) accepted responsibility for the control system and implemented design changes to improve steering response and overall reliability, and add new capability.

The TE-AM Robotics System is a manually operated vehicle positioning system capable of controlling up to two targets. Vehicle command and position information is transmitted by radio links. The tracking of the target vehicle is done either by direct vision, by television, by a range plotting board, or any combinations thereof.

A typical mission at White Sands requires movement of a target tank several hundred meters over an earth roadway. The vehicle must arrive, at speed, at the designated impact point within seconds of the predicted time of impact of the incoming missile or projectile. Delivery of the vehicle to the impact point is critical because of fixed instrumentation cameras recording terminal flight and impact of the test projectile.

The TE-AM Robotics System is essentially self-contained and requires power only at the control site. It is readily transported to other test ranges or areas within the various ranges and can be adapted for control of many vehicles with simple mechanical interface of the servo mechanisms. The type of vehicle required as a target is basically a tracked, armored tank, with occasional calls for M-114s, jeeps, pick-up trucks, and wheeled transport vehicles. The concept of simulated target vehicles is only ever-so-slowly gaining popularity. Operationally, the system can be used in most test scenarios that requires single or dual target presentations.

TE-AM currently has the only reliable, portable target robotics system in the Army. This system has supported Sgt. York at Fort Bliss and Red Rio, the Idaho National Guard in Boise, as well as several test programs at Yuma Proving Ground and the Electronic Proving Ground, and is currently scheduled for a test program at China Lake, Calif.

Ground target requirements for future Army test programs involve, for the most part, a single fixed or moving target presentation for live fire testing. There is also an increasing interest in installing on-board instrumentation equipment (telemetry, television, miss-distance indicators, etc.) to evaluate performance of the system under test; and test environment equipment) jammers, performance enhancers, etc.).

As part of the continuing modernization effort, TE-AM is currently in the process of designing a digital controller for control of up to four vehicles using a single RF transmitter, as well as updating for bringing back onboard test data.

Luncheon set

The White Sands Officers' Wives' Club will hold the annual OWC Art Exhibition and Auction at the Officers Club on April 1. The event will begin at 7:30 p.m. with the preview time beginning at 6 p.m. There will be hourly door prizes with two major door prizes of $500 and $1000 value.

The Club will offer a steamship round buffet for $7.95 or salad bar for $3.75 beginning at 5 p.m. Reservations are requested.

The Child Development Center will be open 5 to 11 p.m., April 1, in support of the OWC Art Auction, if a minimum of 15 reservations are made by the end of business day on March 20. Call 678-2059 for reservations.

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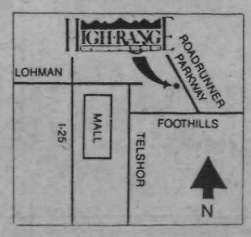


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Briefly

Softball topic

The Recreational Co-ed Encounters of the 87th Kind is planning a meeting on March 20, 4:30 p.m. at the NCO/Enlisted Club. The meeting is to discuss the 1987 softball season. Personnel from all directorates and contractors are urged to attend. For more information call Lee Houser at 678-2580 or Fred Poblete at 679-9306.

Users to meet

The March meeting of the WSMR PC User's Group will be held in the conference room of the Education Center, Wednesday at 2 p.m. David Moon from MACA will be the guest speaker. He will talk about other software packages performance. The WSMR PC Users' group meetings are open to all WSMR users of IBM PC's and compatibles. For more information call 678-6257.

ACM to meet

The WSMR section of the Association for Computing Machinery will hold its next meeting on March 19 at the NCO/Enlisted Club. The speaker, Maj. David Davis from the Army TRADOC Analysis Center, will discuss "Marketing Decision Aides to the Army."

Lunch will begin at 11:15 a.m. and attendees may go through the regular serving line. We encourage all members to attend and to bring a friend. For more information contact Chris McDonald at 678-2814.

Scholarships open

The NCO/Enlisted Wives Club will be giving scholarships to high school graduates and individuals interested in continuing their education. Application forms and instructions are being distributed at the Education Center, Post Library and the Countdown Recreation Center. Deadline for the applications is April 3.

Deadline Monday

Monday is the last day to submit entries in the 1987 White Sands phase of the All-Army Art Contest. Active duty and retired service members and their family members, as well as civilians residing on post are eligible to enter. Additional details and entry forms are available at Arts and Crafts.

Mandatory class

Lieutenants Professional Development Class will be held March 20 to 11:30 a.m. at the Radio/TV Lab at the Education Center. Attendance is mandatory for all TECOM Lieutenants. The subject for the month of March is "Military Justice" and will be taught by Capt. Laurie.

Free tutoring

The Education Center is offering free individualized self-tutor programs to learn to use Wordstar. Anyone interested can learn how to use the keyboard, cursor commands, parts of the screen, files and prompts.

Hours of operation are 7:45 to 9 p.m., Monday through Thursday and 7:45 to 11:45 a.m. on Fridays in building 464, room 11. For more informatin call 678-4716.

Update schedule

The Mayfield activity bus schedule is being updated. Parents of Mayfield students who are involved in after-school activities should call Waynette Bridges, 678-6789, to update the bus schedule before March 20.

To visit AAOD

Dr. Isabel Campbell will be at AAOD, building 1083B, Holloman AFB, on March 17 and 18 to provide tuition assistance and counseling for B Company soldiers.

YOUTH ACTIVITIES

WESTERN PLAYLAND IN EL Paso- The bus leaves at 4 p.m. and returns about 11:30 p.m. To attend youths must be YAC members, 13 years or older with permission slips. Pre-teens with parent or legal guardian are invited on a space available basis. Tickets are $6 with group rate.

TODAY - The center is open at 1 p.m.

WORLD KARATE CHAMPIONSHIPS - The bus leaves to El Paso at 7 a.m. Saturday. YAC members 13 years or older with permission slips are eligible to go. Pre-teens with parent or legal guardian are invited on a space available basis.

MONTHLY PING PONG TOURNAMENT - Monday at 4 p.m. for pre-teens and 7 p.m. for teens. Winners are eligible to compete in Tri-monthly championships on March 30.

LAZER TAG - Tuesday at 4 p.m. for pre-teens and 7 p.m. for teens - free.

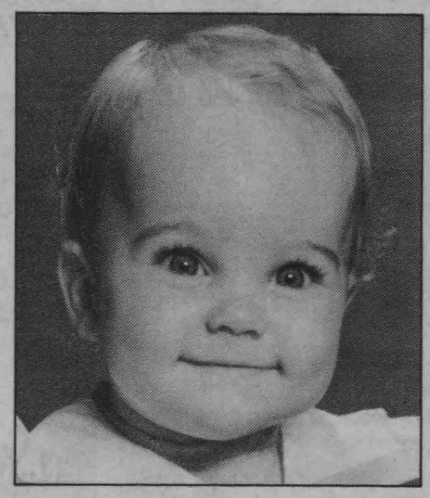
FREE MOVIES- Wednesday at 4 p.m. for pre-teens and 7 p.m. for teens.

WEDNESDAY - the last day to sign-up for pre-teen lock-in on March 20.

ARTS AND CRAFTS - Thursday at 4 p.m. free.

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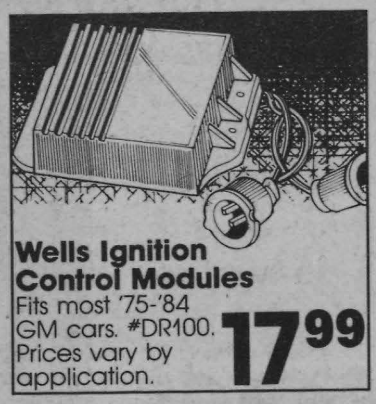
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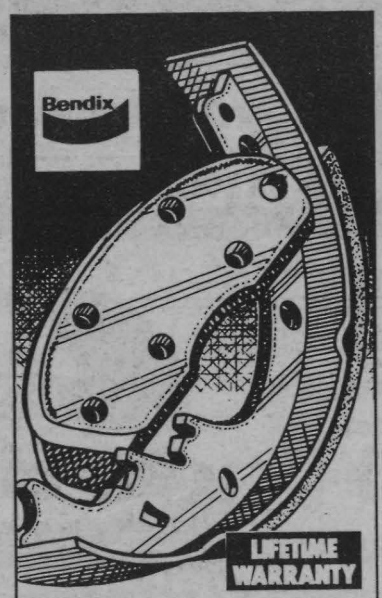
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AGA to meet

The Association of Government Accountants will hold its monthly meeting on Thursday, at 11:30 a.m. in the Flag Room of the Officers Club. The guest speaker will be George Houdek, Internal Revenue Examiner, Las Cruces Office of the Albuquerque District. His topic will be on the IRS process, including how and why tax returns are selected for audit. At the conclusion of his speech, Houdek will answer questions.

Members, guests and other interested individuals are encouraged to attend. Transportation from your office on White Sands to the luncheon can be arranged with Liz Fournier by calling 678-1771.

The meal will be a walk through of the luncheon line. Reservations are not required. For additional information contact, Joe Connolly, Chapter President, at 678-4275 or Lester Frank, program Chairman, at 678-1550.

ROTC briefing

The Army Education Center invites all interested military and civilian personnel to attend a briefing on the Army Reserve Officers Training Corps (ROTC). The meeting is scheduled to be held in the Briefing Room of building 464, Army Education Center, from 11 a.m. to 3 p.m., on Monday. Members of the New Mexico State University Military Science staff will conduct the information session.

Of special interest is a discussion of scholarship opportunities for active duty personnel. Other information presented will be: for prior service members (all branches of service); early release from active duty for pursuit of a bachelor's degree while earning a commission; and scholarship opportunities for high school graduates.

For further information call Lt. Col. Stephen Halper or Capt. Judith Hohmann at 646-4031 or 646-4057.

Music tonight

Golden Amesty will provide country and western music tonight at the NCO/Enlisted Club. Saturday, Radio Direction will provide 50's music for entertainment. Wednesday, Big A Variety Disco will be the entertainment. The Calhoon Brothers will entertain with country and western music on March 20.

Short order is available every day of the week at the club. The menu has been expanded. The club special is "Taco Pizza."

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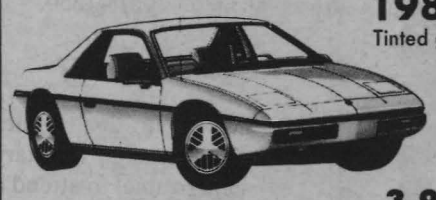
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Every New Pontiac, Most New Buicks & GMC Trucks

1987 S-15 Pick Up SS Package
4-speed, power brakes, AM radio. List Price $8,308.
3 To Choose From.
$6,999.



1986 Pontiac Fiero
Tinted glass, air conditioning, automatic, AM-FM stereo and more.



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SPECIAL PURCHASE
1985 Volkswagen Golf
Air conditioning, automatic transmission, stereo, power steering, rear window defogger.
Only **$6,299.**
4 To Choose From
Includes 12 month, 12,000 mile warranty.

1987 Volkswagen Jetta GL
With FREE air conditioning, stereo prep., sunroof.
Only $249. Per Mo.
$199 down plus tax, title and license. 60 months.



1987 Volkswagen Golf GL
With FREE air conditioning, stereo prep., body moldings and more.
Only $199. Down
$199. Per Mo.
Buyers choice with $1,000 down plus tax, title and license. 60 months.



CLASSIFIED

• CARPOOLS

Need driver to complete 4-person a/c n/s carpool from Elks Club area, LC to Main Post. 7:45-4:15. Call Bob, 678-4656 or Steve, 678-1720.

Need two driving members for n/s, a/c carpool from Alamogordo. Regular schedule. Fran 678-3436, Evelyn 678-5727.

Rider to complete vanpool from Fox Plaza, Trowbridge & Howz, I-10 & Hondo Pass, Army Reserve Center. Compressed time, 2nd Monday off. Call Danny, 678-4946.

Would like 1-3 paying passengers to/ from Alamogordo. N/smoke, air cond., compressed, 2nd Mon. off. Laura 678-2117/437-3578.

Need driver for a 4-person n/s, a/c, compressed work schedule in Northeast between War Rd. and McCombs area. 2nd Monday off. Call Gilbert 678-5634; Ken 678-5677; Lydia 678-1160.

Wanted: Paying riders from Hacienda Acres area to Post, regular hours. Dan 678-1540, 382-7317.

Need 2 driving members for n/s, a/c carpool from Alamogordo to WSMR. 7:30 to 4 p.m. Call Milton, 678-1238.

Need driver for 5-man n/s carpool from W. Beaumont Hospital area, El Paso, to Main Post. Call Castro, 678-5423.

Driver needed for 4-person carpool from Montgomery Ward, LC. Compressed time. Call Yvonne 678-6257 or Joan 678-4708.

VANPOOL, ns/ac, East El Paso, compressed work week. Call 678-6204/ 3508 or 859-5092 (John).

Need 1 commuter for vanpool from Albertsons, N. Main, LC, a/c, n/s, regular tour (7:45 a.m.-4:15 p.m.). Also need alternate driver. Call Art Ortiz, 526-4303 or Tom Sweany, 678-4414/2312.

Need 1 commuter for vanpool from Montgomery Wards, LC, to F&A/ Bldg. 1504/SW Tech Area, WSMR, a/c, n/s, regular tour (7:45-4:14). Interested individuals call Art Ortiz, 526-4303 or Patti McGuire, 678-2920.

Browse, Borrow some Bucks or Buy a Bargain

Mama's Hock Shop
1275 W. Picacho
526-4724

• PERSONALS

Do you have kits and projects that you've started, but haven't finished? Bring them to **DOLLS AND THINGS** and let me finish them for you. (1tb)

• FOR SALE

1000 SUNBEDS SUNAL-WOLFF SAVE 50%. Call for FREE Color Catalogue & Wholesale Prices. Commercial & Residential Units. M/C or VISA Accepted. Call 1-800-228-6292. (1tp)

Complete Satellite system with video Cipher II and 20 Preauthorized channels for 1 year, just $1,650. Call 523-9211. (1tp)

1987 Park model travel trailer, 38 feet. Washer, dryer, microwave, all deluxe furnishings. Must sell! Call for details 526-4352 L.C. (1tp)

Sears Cold Spot Freezer, chest type 23.1 cu. ft. just $150. Call 523-9211 after 5:30 or 678-3520. (1tp)

COMPLETE MS-DOS Computer system. 768K memory, 2 drives, monitor, printer and software. $1200. Call 678-5807. (1tp)

Used tires, rims and wheel covers from 1977 Chrysler Cordoba. 15 in., 5-hole. Call 678-3130, 8-4 pm. M-F $125. (1tp)

MOUNTAIN MUSIC
Used guitars, amps, PAs, etc.
New accessories, consignment sales no charge.
Open Monday-Saturday 11-6
217 N. Downtown Mall
next to Rio Grande Theatre.
(ufn)

• NOTICES

Alcoholics Anonymous new meeting (Saturday Night Live) 7 p.m. Highway 70 East and Porter Road, Las Cruces Christian Church. Ph. 382-7445.

• SERVICES



SEWING, ALTERATIONS,
Wedding gowns, Formals. Custom Tailoring.
San Aug. Pass Corp.
Hetty Webb, 382-5852 (5tp15)

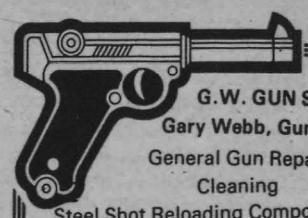
BLAIR'S MOBILE HOME SERVICE
All types of mobile home service
Free Estimates
Ph. 382-5177
(ufnb)

Resumes, newsletters, brochures, mailing lists, reports. LaserJet Printer. Call **THE RIGHT TYPE,** 523-4332 or 522-2058, Las Cruces. (ufn)

LEARN DISPLAYWRITE-3
wordprocessing on an IBM PC-XT hard disk using IBM's training program. Basic course $100.
Call **MULTI-SKILL, 523-9234**
Las Cruces (UFN-b)

• SERVICES

NEED YOUR CAR TOWED?
Call Armitage's Towing Service. Lowest rates in Las Cruces. We also change flats and do jump starts. Call 523-9400.



G.W. GUN SHOP
Gary Webb, Gunsmith
General Gun Repair
Cleaning
Steel Shot Reloading Components
Hours 10-6
Call 382-5852
San Augustine Pass, Organ
(5tp13)

Robert D. Clark
Attorney
Attorney fees -
Uncontested Waiver Divorce - $195
Personal Bankruptcy or Chapter 13 - $375
Consultation - $25
Call 523-2527
(UFN)

LEGAL PROBLEMS?
Experienced lawyer, Attorney Dino Villiani, Pueblo Plaza, Executive Suite 1, 1100 S. Main. Uncontested divorce under $195 with this ad. Contested, $250 up; wills, $45; adoptions, $250; DWI, $400; bankruptcy, $390; office visit, $15. Call 526-4822. (10tp18)

April 15th will be here before you know it! Income tax returns prepared. Reasonable.
Masters Bookkeeping & Tax Service
Call **526-0990,** Las Cruces.
Call for appointments after 5 p.m.
WSMRites Welcome!

FUN
Dos Lagos Country Club
has room for 150 and all kinds of food and drink.
Anthony, NM
***Henry* 882-2830**

CLASSIFIED

● LEGAL NOTICE

NOTICE OF A FINDING OF NO SIGNIFICANT IMPACT
OF THE
FORWARD AREA AIR DEFENSE SYSTEM (FAAD)
TEST AND EVALUATION PROGRAMS
WHITE SANDS MISSILE RANGE, NEW MEXICO

TO ALL INTERESTED AGENCIES, GROUPS, AND PERSONS:

PROPOSED ACTION: The U.S. Army proposes to conduct test and evaluation programs of the Forward Area Air Defense weapons systems on White Sands Missile Range, New Mexico. Four or more phases may be conducted in the area east of the Oscura Mountains, 21 miles west of Carrizozo, New Mexico, 10 to 20 miles south of the north Range boundary. The first phase of this program scheduled to be conducted during the summer of 1987 shall consist of evaluation of four candidate systems. Tracking and firing evaluation will be made against fixed target and aerial drone aircraft. Firings will be limited to about 40 rounds of inert munitions. Placement and use of range instrumentation equipment (telescope, telemetry radar, etc.) will be required. Countermeasures equipment (jamming, chaff, etc.) will be used.

PURPOSE OF THE ACTION: The purpose of the test and evaluation programs is to determine the effectiveness of the FAAD system to defend against attack helicopters, high performance fixed wing aircraft, and various ground weapons systems during combat situations. The results of the program will facilitate the determination of the need for subsequent funding for further research and development of the FAAD system.

ALTERNATIVES CONSIDERED: Alternative locations were considered during the preparation of the EA, as well as the no action alternative. These are described below.

1. Location. Several Army installations were evaluated as potential sites of the programs. Evaluation criteria included drone control, tactical employability, and background terrain. WSMR ranked first among all installations for the sum of these criteria. Other sites on WSMR were also evaluated.

One of the primary reasons for selecting the Oscura areas as the FAAD test site was the vegetative clutter background provided by the Oscura Mountains. As such, every effort must be made to maintain this background throughout each engagement.

2. Schedule. Numerous schedules were considered; however, the proposed schedule is the only one which coincides with both the production phase of the FAAD system and the available schedules at other installations.

3. No action. The no action alternative would preclude all impacts. However, the project's purpose and need would not be satisfied. This alternative is still viable.

ENVIRONMENTAL CONSEQUENCES: Potential environmental consequences are briefly discussed, by category, in the following paragraphs.

1. Water Quality and Supply. Water supplies will be trucked into Oscura Range Center. Due to the short time frame and limited personnel, no significant impacts to the area's ground water supply is expected. Protable latrines and solid water dumpsters will be maintained by an approved and licensed contractor(s). No significant impacts to the area's water quality would be anticipated.

3. Geology and Soils. Construction activities would disturb soils at tracking, maintenance, and firing sites and tank trails. These sites will be revegetated at the conclusion of the program to avoid excessive erosion and runoff rates. Offroad activities will primarily include drone recovery and fire suppression teams; these activities will be localized and should not result in significant impacts to the area's geological or soil formations.

3. Air Quality. Air pollutants expected to be produced include suspended particulates (i.e., dust), carbon monoxide, hydrocarbons and nitrogen oxides. These emissions are not expected to cause significant adverse effects due to the relatively small amounts of emissions, the limited time frame, the remoteness of the project area, and the prevailing winds which will allow for rapid dispersal.

4. Ecological Resources. Vegetative communities will be altered or destroyed as a result of construction activities, offroad vehicle traffic, and fires. Tank trails and construction activities will destroy several acres. No fish populations occur in the project area. Wildlife populations would be adversely affected by increased noise levels which may disrupt breeding and courtship rituals of birds which may be in the area. Laser targetng systems of the FAAD may be hazardous to wildlife. No significant impacts will occur to Federally listed endangered and threatened species. Swainson's hawk, a New Mexico protected species, may nest in the area.

5. Cultural Resources. An intensive cultural resource inventory of potential impact areas of the proposed Forward Area Air Defense (FAAD) project area is beng conducted. Location of cultural resources has been made and steps will be taken to avoid and protect sites, including monitoring of project operations.

Twenty nine archeological sites and 280 isolated occurrences have been located to date. Six sites have been found in the 6 one-by-one-km blocks and Pivot Site, 11 sites at Oscura Range Center, and 12 sites on surveyed road rights-of-way. Site density equals approximately 1 site for every 100 acres surveyed.

Site types include prehistoric lithic scatters, prehistoric ceramic scatters, and historic sites. All of the open prehistoric sites are nonstrucutural artifact scatters. Additionally, one rockshelter with pictographs was found. Historic sites include both structural and nonstructural sites.

If any cultural resources are discovered during field activities, the area should be avoided and the WSMR ENRO contacted immediately.

6. Socioeconomic Resources. Slight beneficial economic impacts are expected to occur due to lodging and per diem allowances that will be expended at private hotels/motels and restaurants in the area. Other expenditures, such as solid waste contractors, will also result in slight short-term benefits. A portion of WSMR's special oryx and mule deer hunt areas may be lost because of ongoing FAAD tests. No other recreational facilities or activities would be affected.

CONCLUSION: The aforementioned analyses demonstrates the conclusion of the Environmental Assessment (EA) that the proposed action would not cause significant impact upon the area's environment. Accordingly, the U.S. Army White Sands Missile Range has determined that the Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act of 1969 (PL-91-190) is not required. All interested agencies, groups, and persons not in agreement with this decision are invited to submit written comments for consideratin of the Commander, White Sands Missile Range 15 days of this notice. The proposed action will not be implemented prior to the expiration of the specified comment period. A copy of the Environmental Assessment will be available for study at Building 1740, White Sands Missile Range (Phone (505) 678-2224). Address all correspondence in reference to this notice to:

Commanding General
U.S. Army White Sands Missile Range
ATTN: STEWS-IS/Colonel Milton L. Howell, Jr.
White Sands Missile Range, NM 88002

● HELP WANTED

NEED EXTRA INCOME???
The M.J. Daniel Company is looking for part-time vendor representatives. If you are interested in earning extra income on a part-time basis, please call Daniel James at 1-214-245-3600 collect. (1tp)

AIRLINES NOW HIRING, Flight attendants, Agents, Mechanics, Customer Service. Salaries to $50K. Entry level positions. Call 1-805-687-6000, Ext. A-4778 for current listings. (8tp11)

GOVERNMENT JOBS $16,040 - $59,230/yr. Now hiring. Call 1-805-687-6000, Ext. R-4778 for current federal list. (8tp11)

EXCELLENT WAGES for spare time assembly work; electronics, crafts, others. For info call 1-(504) 641-0091, Ext. 2652 seven days. (4tp14)

● HELP WANTED

$20,000 yearly possible. Prepare at home for Post Office Clerk Carrier and Mail Handler employment exams. Write: Federated (NM3) POB 16088 Hattiesburg, MS 39402-6088 (1tp)

GOOD MONEY! WEEKLY! PROCESSING MAIL! Information? Rush self addressed stamped envelope, Graham, 1759 Florida Road #10 Durango, CO 81301 (1tp)

RN'S-OPENINGS exist for registered nurses on all shifts, on med + Ssurg units. Additional positions available in specialty areas. Excellent fringe benefits including relocation expenses & a very competitive salary structure. Contact nursing service. San Juan Regional Medical Center, 801 W. Maple St., Farmington, NM 87401; (505) 325-5011, ext. 6151. EOE M + SF. (1tp)

● MOTORCYCLES

Honda CB 900S, 1981 w/1300 miles, new cover, Viper fairing. $1,700. Call 479-1337 (w), 682-2758 (h). (2tp11)

1986 Kawasaki Ninja 600, 5,000 miles $2,500 OBO. 1985 Kawasaki GPZ 550, under warranty, only 900 miles. $2,100 OBO. 1986 Honda CB250, 10 hours on engine, $1,900 OBO. Must sell soon! Call Mike in Alamogordo, 434-2733 (w), 479-1338 (h). (2tp11)

1982 V45 Magna (750) excellent, dark blue, windshield, new tires. $1,100. Ph. 382-7704. (2tp11)

● VEHICLES

1984 Chevy Camero Z28, automatic, air conditioner, AM/FM stereo, power windows, drives nices, looks great. Low price at $7950. Call Mile H. at 526-3361. (1tb)

● VEHICLES

1987 Toyota 4X4. Perfect condition, 3 months old. $500 down, take over loan. Home 522-2048, work 521-1425. Ask for Lee. (2tp11)

1986 Ford Taurus, fully loaded, low, low miles. Test drive and you'll buy today! $12,950. Call Leon at 526-3361. (1tb)

1970 Ford Van, 302 V8, good cond. $2,000. Call 437-3702 after 5 p.m.

1985 Mercury Marquis, air conditioner, AM/FM stereo, vinyl top, 4-door, perfect condition. Perfect for mid-size family. $7350. Ask for Steve at 526-3361. (1tb)

Classic convertible 1967 Dodge Dart, 318 V-8, 5 yr. old top w/glass window. $700 or best offer. 522-0548. (1tp)

● VEHICLES

1965 Mustang, burgandy w/white top, 289 V-8, excellent condition. Call 382-7154 evenings. (2tp)

1972 Olds Cutlass, excellent condition, AM/FM stereo cassette, ski rack, $1200 or best offer. 526-7775 evenings. (1tp)

● VEHICLES

1972 Ford LTD Brougham, new vinyl top and seat covers. PS, PB, air, am/fm stereo cassette player. Runs well. $850 or best offer. 522-0548. (1tp)

1985 Chevy Nova four-door family car w/5-speed for economy. Air conditioner, pin stripes. Priced at $6550. Call Paul at 526-3361. (1tb)

1985 Monte Carlo SS, 22,000 miles, power locks & windows, cruise, tilt, air, AM/FM cassette, 4 sp. overdrive. Perfect cond. $9,750 or best. Days 526-6945, eves. 523-1514 LC (2tp12)

1983 Dodge Custom van, 31,000 miles, am/fm cassette, CB, cruise, tilt, power locks, captain chairs, sofa, new tires. Call Larry, 678-5393 or 598-3214 after 6 p.m. (1tp)

1985 Ford T-Bird, cloth bucket seats, air conditioner, 6 cylinders, AM/FM stereo radio, excellent condition. Priced at $7950. Ask for Gus at 526-3361. (1tb)

TRUCKER'S SUPPLY, INC.
Casa Wholesale Company
Auto ● Truck ● Heavy Duty ● R.V.
Electrical — Sales, Service, Repairs
Air Conditioning — Installations, Service, Repairs
809 14th St.
Las Cruces, NM
(505) 526-1712
(505) 523-8784 (Night)

ATTENTION
For repossessed vehicles and mobile homes call Mary Sedillo White Sands Federal Credit Union at 524-3663. 100% financing on approved credit.

BUY • SELL • TRADE •
Mon-Sat 10-5:30
Mat's Pawn Brokers
325 N. Mesquite
524-1842

Cross-Lites says:
There is a victory over the devil for believers in Christ. Whosoever believes in Christ is born of God. Have you, my friend, been born of God?

CLASSIFIED

Classified ad rates for WSMR military and civilian personnel and retired military are $2 for an ad of 20 words or less; $1 for each additional 10 words or fraction therof (e.g. $3 for 21-30 words, $4 for 31-40 words, etc.) There is no charge for carpool ads of 20 words or less. For boxed ads or bold print add $1.

Ads may be submitted on the form below to the drop box in the Public Affairs Office (Bldg. 122) or mailed to the Missile Ranger, Box 51, Las Cruces, NM 88004 Additional forms are available at the PA Office. Ads must be submitted to the PA Office by 4 p.m. Monday and mailed ads must be received by 10 a.m. Tuesday to assure publication that week. Telephone ads are accepted until 10 a.m. Tuesday when called in to 526-4851, Las Cruces. Do not call the PA Office. There is an extra 50 cent service charge for telephone ads which are accepted with the understanding that remittance will be mailed without billing.

Ads are classified under one of the following classifications: Vehicles, Motorcycles, Carpools, Pets, Real Estate, For Rent, For Sale, Wanted, Help Wanted, Personal, Birthdays, Notices, Legal Notices, Business Opportunities and Miscellaneous. Please do not include items falling into more than one of these classifications in the same ad.

In using this service, the advertiser certifies that he or she is a WSMR employee or retired military person and he or she is not acting as a representative of another individual or a commercial business.

Regular commercial classified rates are 15 cents per word with a $3 minimum charge. For boxed ads or bold print add $1.

● REAL ESTATE

CAIN AND ASSOCIATES

ADOBE LOVERS must see this unique old farm home with guest house just north of Mayfield High School with Mature pecan trees on one acre.
Mary Ann Mayfield 524-3047

OWNER SAYS SELL - Price reduced on this cozy condo with fireplace. 2 bedrooms upstairs near hosptial and University. Only $46,500.
Mary Ann Mayfield 524-3047

SPACIOUS EXECUTIVE HOME in Picacho Hills - Open living areas featuring a sun room with hilltop views of the city & mountains, tiled custom kitchen, and private master suite. Shown by appointment.
Mary Ann Mayfield 524-3047

UNDER APPRAISAL DOUBLE-WIDE MOBILE 9468 Saturn, Off Moongate 3 BR, 2 BA, family room. Completely landscaped, fenced 75 x 150 lot. Carport, patio and utility bldg., qualifies VA & NMFA. Close to NASA & WSMR. $45,000.
Call Earl Nissen 524-1343

3RD STREET, ORGAN - 2 BR mobile home (12x57) needs TLC with large covered patio/party area with fountain, carport, storage shed on great view lot. Lots of trees & rock fence. $32,000.
Call Kathy Andresano 522-4521

3304 WINTERHAVEN SUPER SUBURBAN BUT SO CLOSE! Large mobile home with new addition. 2 or 3 BR, 2 BA, 1/3 acre lot, landscaped. RV parking & storage bldg. Winterhaven MH subdivision. $45,000.
Call Barbara Reynolds 524-1457

MLS 525-1144
Open 10 - 2 PM Sundays 2755 N. Main, Las Cruces, NM 88004

● REAL ESTATE

CAIN AND ASSOCIATES



BARBARA REYNOLDS REALTOR®

1958 DEFIANCE - Assume VA Loan and Owner will help. Lease Purchase possible. $60,000.

1302 KILMER - Assume VA Loan. 4 BR, large corner lot. $59,000.

1001 MARCY - Low down equity, assume VA. 3 BR, CB antenna included, large corner lot. $71,000.

3294 SOLARIDGE - Close to WSMR. Custom Town House. Assume loan and owner will help too! $83,000.

HWY. 70 N. CO. RD. 99 - 25 acres. $8,000/an acre. Owner will consider helping with proper down. Will divide. Utilities close by. Great Investment!

1844 NEWTON - Assume low interest loan and owner will help too. 3 BR, brick, lg. family room, $67,000.

MLS 525-1144
Open 10 - 2 PM Sundays 2755 N. Main, Las Cruces, NM 88004

● REAL ESTATE

MOVE CLOSER TO WORK AT WSMR. Take a look at this 24 x 40 ft. double wide, 2 bedrooms, 2 bath on 1/4 acre, fenced, lawn, trees. Owner will finance. $38,000.

MAYFIELD HIGH SCHOOL AREA: lovely 4 bedroom, 1 3/4 bath brick home, family room, large fenced yard, nice kitchen, double car storage. See today. $76,500.

POSSIBLE OWNER FINANCING on this 1/2 acre lot off Moongate rd. Includes electric and septic. $9,500. Mobile homes and horses permitted.

INVESTMENT LAND: 10 acre corner tract with water and electricity at boundary, just west of Moongate on Arrowhead and Coyote. $75,000.

CONVENTIONAL FINANCING POSSIBLE on this permanently set, double wide on 1/3 acre lot just north of city on Elks Road. 3 bedrooms, 2 full baths, fireplace, dining area. Nice fruit and shade trees. Restricted subdivision. $42,500.

NEAR NMSU, nice all brick home, 4 bedrooms, living room, family room, dining, range, refrigerator, washer & dryer, large fenced yard. $65,000.

VALLEY LAND with irrigation rights, 13 miles north of Las Cruces. Hiway frontage, electricity and gas available, need to drill well. Mobile homes and farm animals permitted. $28,000

MONARCH REAL ESTATE CORP. 522-8222. After hours: Gerry Sells 522-1856 or Ted Larsen 522-7518. (2tb12)

● FOR RENT

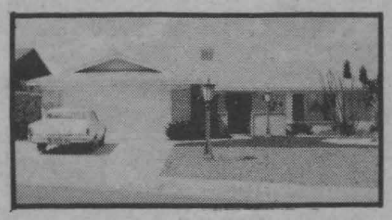
Mobile home space in Tortugas, N.M. (near Las Cruces). Very reasonable. Days call 526-7855. After 5 p.m. 526-8466. (ufn)

Get a headstart to WSMR. 4-Hills area. 2 BR - 2 bath in 4-plex. Dishwasher & disposal, washer & dryer hookups, fireplace. $350. plus gas and electric. **Monarch Real Estate Corp.** 522-8224. (3tp13)

● FOR RENT

FOR RENT IN ORGAN
Furnished 2 bedroom mobile home. $200 per month plus $100 deposit. Located near WSMR and NASA. Please call 382-5423 or 382-5316 for more info. (ufnb)

Well built 1,800 sq. ft. brick, pitched roof home w/den, living room. In Four Hills area off Highway 70 E. Price: $89,500. Call 522-9732 in Las Cruces. (4t12b)



Beautiful home for sale in Telshor area. 3 bedrooms, 2 baths, extra large master bedroom, excellent condition throughout, all electric, carpeted, quality drapes, desert landscaping. Charestell-owners. Call 522-3478 from 2-7 p.m. (ufn)

One acre lots for sale, 5 miles west of NASA on Holman Rd., $50 a month. Call Virginia (915) 544-0196. (ufn)

PROPERTY FOR SALE
1.6 acres w/3 bedroom home, 2 rented apartments, block from NMSU, zoned R-3. For sale or trade by owner. Make offer. See at 2410 S. Espina, call 526-8408 anytime. (4tp12)

EAST OF TELSHOR - Two acre homesites with spectacular views. Total price $14,000. Water, electricity available. Call Patty at ReMax Realtors, 118 S. Downtown Mall 524-4141 or evenings 524-7975. (4tb12)

WAREHOUSE
(on acreage)
For sale or rent, 3,000 sq. ft. Suitable for shop or storage -clean- Hangar Lake area. Ph. 523-0030 or 522-6646. (ufnb)

Twelve ½ acre building lots. All in prime area. Will sell for cash or time payments. Luna County, Deming. Less than $1,000 each. Write Box 451 Boynton Beach, Fla. 33425-0451. (2tp11)



DOLLS AND THINGS
by Frances



Frances Shelton
1200 W. Picacho
Las Cruces, NM 88001
(505) 522-8060



● MOBILE HOMES

1976 14X80 Graham, 2 bd., 2 bath, appliances, skirted, storm windows. Moongate area. Furnished $11,500, unfurnished $11,000. Ph. 382-7704. (2tp11)

● FOR RENT

MADRID APARTMENTS
1500 East Madrid
523-5472
All units 2 bedroom, 1 bath
$280 month
Unfurnished, water paid.
$335 month
Unfurnished, utilities paid.
$325 month
Furnished, water paid.

Home at 5410 Lilla (East Mesa) 3 bedrooms, 2 bath, 1-car garage, convenient to WSMR. $450 per month. Call Drue Self Realty, 524-8559, Las Cruces (ufn)

Villa Sierra
A ROMANTIC MOUNTAIN VILLAGE
- *Fireplaces*
- *2 Pools*
- *All Adult*
- *Fantastic Views*
- *Covered Parking*
- *Refrigerated Central Air*
- *From $335*
- *Electronic Security*
- *1,2,3 Bedrooms & Penthouses*

2425 McKinley
El Paso, Tx 79930
(915) 562-4119

Four functions added to Resource Management

The Resource Management Directorate recently added Commercial Activities, Quality Circles, Corporate Fitness and Value Engineering to its list of functions. This latest change resulted from implementing DA Regulation 5-3, Installation Management Organization and became effective 1 February 1987. AR 5-3 standardizes Army wide installation functions under a concept called "Standard Installation Organization."

Within Resource Management, these added functions have been assigned to the Management Analysis Division (RM-M) formerly the Analysis Division (RM-A). There are still three branches in the Division: the Cost Analysis Branch (RM-MC), the Management Engineering Branch (RM-ME), and the Productivity and Analysis Branch (RM-MP), which now incorporates the new functions previously called the Review and Analysis Branch.

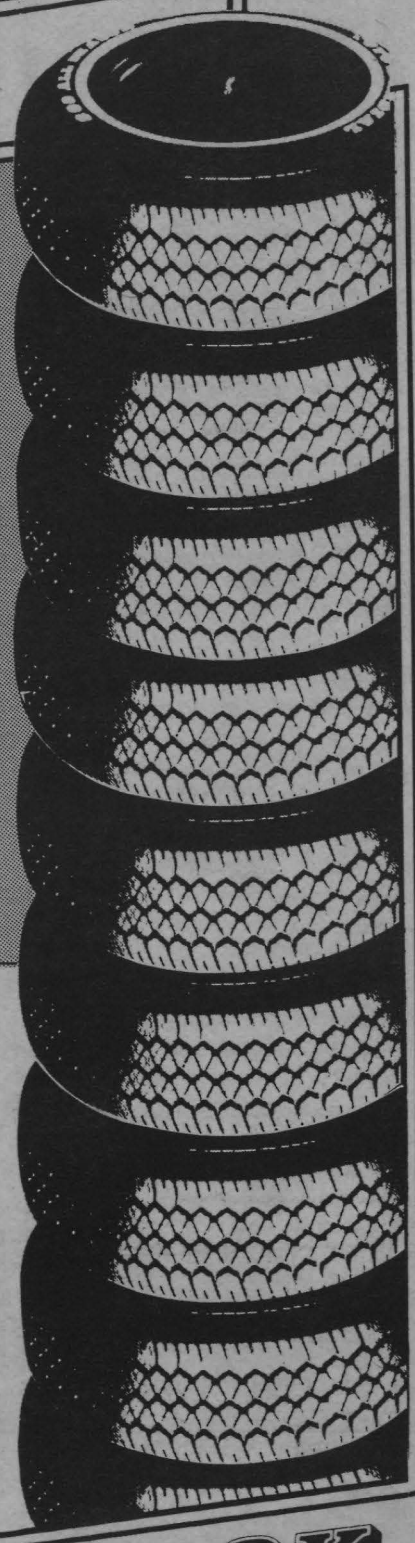
This latter Branch now consists of three teams. The Commercial Activities Team (RM-MP-C) was absorbed from the Chief of Staff's Office and will plan and coordinate Commerical Activities studies. It also will monitor and report on converted Commercial Activities.

The Review and Analysis Team (RM-MP-R) will still primarily perform independent review and analysis of resource utilization and mission accomplishment. The team's other missions include: Model Installation Program, Quarterly Operations Reviews, Economic Analyses, Committee Management, Management Digest, and DA Idea Interchange.

The Productivity Team's (RM-MP-P) programs are: Quality Circles (QC), Productivity Capital Investment ("PARE"), Value Engineering (VE), and Corporate Fitness. QC and VE was absorbed by RM from the Civilian Personnel Office and the Plans/Quality Assurance Directorate, respectively. "PARE" is a comprehensive productivity program under development encompassing all productivity initiatives (e.g. QRIP, PCIP, Value Engineering, etc.).

The Management Analysis Division will continue to guide and coordinate management improvement programs, principles, and practices throughout WSMR in order to achieve efficient and effective organizations. The newly acquired functions will be an asset to RM in providing professional advice and managerial assistance to the commander and the WSMR Community. Persons who would like more information should call the RM-Management Analysis Division at 678-4869.

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To Lockheed

White Sands Missile Range announced the award of an almost $80 million, five-year contract to Lockheed Engineering and Management Services Company of Houston for support services associated with the operation of the range's High Energy Laser System Test Facility.

HELSTF was established to support the test and evaluation of high energy laser systems and to conduct damage and vulnerability tests using laser systems. The Mid-Infrared Advanced Chemical Laser, installed at HELSTF, is the most powerful chemical laser outside the Soviet Union.

Fair slated

The annual Southwest New Mexico Regional Science and Engineering Fair will be held on March 21 on the campus of New Mexico State University in Las Cruces.

These sciences and engineering fairs provide exciting and educational experiences for students from grades 6 through 12. Over 200 exhibitors and 60 sponsors are expected to attend this year's fair.

Fair officials are looking for volunteer judges with backgrounds in all fields of science and engineering to donate a Saturday judging exhibits. Some 100 judging positions are open. Those persons interested in volunteering to judge for this science fair should contact Gordon Ewing at 646-3328.