

# American Chamber Symphony to perform Tues.

Music lovers have a treat in store for them when the Los Angeles-based American Chamber Symphony performs at the Center theater at 7:30 p.m. Tuesday.

The 25-person orchestra is under the direction of youthful Nelson Nirenberg and features violinist Mischa Lefkowitz. Program selections are Tartini's Concerto No. 58 in F Major and the Concerto No. 5 in A Major for violin and orchestra by Mozart. The final offering of the evening will be Haydn's Symphony No. 60 in C Major, "The Absent-Minded Man."

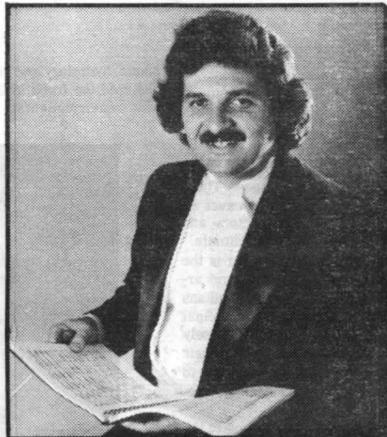
Nirenberg is regarded as one of the world's outstanding young music directors; he has won highest awards in many international competitions. Concertmaster and soloist Lefkowitz is equally outstanding. He won the 1985 Yehudi Menuhin Award, among other prizes, and is a member of the Los Angeles Philharmonic. He appears here under partial support with funds from the California Arts Council and the National Endowment for the Arts.

Single event tickets for this Indian Wells Valley Concert Association program are \$7 for general admission or \$5 for full-time enlisted military personnel and people over 65 or under 21.

Tickets can be purchased at The Music Man, Medical Arts Pharmacy, Maturango Museum and the Art Buffet in Ridgecrest. Tickets will also be available at the box office on the evening of the concert. Season ticket-holders unable to attend the concert are asked to release their seats by telephoning 375-5600.

Lefkowitz and piano accompanist Brent McMunn will present a student program the morning after the concert for local fifth and sixth grade students. This special 50-minute program will begin at 10 a.m. at the Center theater. Limited seating is also available to the general public.

There is no charge for the student program, which is provided as an educational service of the IWVCA. This is made possible by contributions to the Student Education Fund.



Conductor Nelson Nirenberg

# Art collection to be shown

China Lakers can take advantage of a special reception and private viewing of the selection from Dr. Armand Hammer's world renowned art collection at California State College, Bakersfield on Saturday, Feb. 7 in the Stockdale Room at CSB.

Sponsored by the Greater Bakersfield Chamber of Commerce Military Affairs Committee, the Military Day for the Hammer Collection will begin at 6:30 p.m. with a reception, followed by the private viewing from 8 to 9 p.m. Reservations are limited and can be made by calling the Chamber Office at (805) 327-4421. Tickets are \$10 per person.

Dr. Thomas Arciniega, CSB president, said the collection will be shown in the Todd Madigan Gallery on campus from Jan. 24 to Feb. 22. The Hammer Collection is coming to Bakersfield direct from an exhibition in the Soviet Union.

The art works in the selection include 25 impressionist and post-impressionist works by artists such as Van Gogh, Cezanne, Gauguin, Renoir and the American Mary Cassatt. Also, six paintings by the Old Masters, including Rembrandt's Juno and Gilbert Stuart's portrait of George Washington.

The exhibition is made possible by the Armand Hammer Foundation, Occidental Petroleum Corp. and the Dorian Society of California State College, Bakersfield.

# VIATEK viewing

NWC's Enlisted Mess Drydock Room will host the 1987 VIATEK Product Viewing on Jan. 29 from 9 a.m. to 5 p.m.

On display will be Micor-VAX and Q-Bus compatible board level products along with VME and Multi-Bus compatible board level products for commercial and military applications.



	Max	Min	Peak Gust
Fri.	42	24	29 knots
Sat.	51	19	15 knots
Sun.	59	20	8 knots
Mon.	61	27	31 knots
Tues.	55	36	27 knots
Wed.	60	16	6 knots
Thurs.	57	18	5 knots

All measurements are made at Armitage Airfield.



"New Tax Laws" will be the topic for the February 3 meeting of the China Lake Post, Society of American Military Engineers. Harold Manning from Burkey and Cox Accounting Corporation of Ridgecrest will be the speaker at the lunch meeting, which will be held at the Commissioned Officers' Mess starting at 11:30 a.m.

Menu choices are either a chef salad or a steak sandwich; both choices are \$5.25 for SAME members and \$5.75 for non-members. Reservations are required and must be made no later than Thursday, Jan. 30 by telephoning Sam Miller, 3411, ext. 287.

Highlighting a special Father/Daughter Valentine's Day dinner for fathers and their young ladies (from pre-school to sixth grade) will be the outstanding performance of professional magician Eugene Silvers and his delightful magic show.

Each of the young daughters will also receive a carnation, and a polaroid picture of each father/daughter couple is included in the cost of the evening.

The dinner will be held at the Enlisted Mess on Friday, Feb. 13 from 6 to 9 p.m. Dinner special for the evening will be spaghetti, garlic bread, salad and chocolate sundaes. Cost for the evening, including the show, flower, picture and dinner, will be, for couples, \$15 for active duty military, \$16 for DOD civilians and retired military and \$17 for private citizens. Tickets can be purchased at the door for an additional 50 cents per couple.

Tickets can be purchased at the Information, Ticket and Tour Office during regular business hours, Mondays through Fridays from 9 a.m. to 5 p.m.

Soup (homemade — the very best kind) and salad from the salad bar at the Commissioned Officers' Mess is a great way to eat a nutritious lunch for the low cost of only \$3.25. The soup and salad bar is open from 11 a.m. to 1 p.m. daily. All government employees are invited to drop by the COM for a great meal.

Another Beef and Burgundy Dinner will be featured at the Commissioned Officers' Mess next Friday. Enjoy an all-you-can-eat (and drink) dinner of Steamship Round, wine, plus a giant salad bar for only \$7.95. Reservations are required by Wednesday (Jan. 28).

Prime rib or white fish will be the special at the Chief Petty Officers' Mess tonight. Dinner will be served from 5:30 to 9 p.m.

Disco to the "Sound Waves" at the Enlisted Mess tonight from 9 p.m. to 1 a.m. Admission is free.

Jan. 25 is Super Bowl Sunday at the Enlisted Mess. For only \$5 admission, enjoy the game on a large-screen TV while enjoying a delicious deli buffet.

Wednesday's night DJ at the Enlisted Mess will be Ted Lemon of "Sound Waves." Dance to popular tunes from 8 to 11:30 p.m. for only \$1 per person.

Friends of the Ridgecrest Library will hold an organizational meeting of that group on Thursday at 7 p.m. in the conference room of that library, 131 E. Las Flores, Ridgecrest. Eloise Nelson of the Kern Library Friends will be a guest speaker.

Anyone interested in supporting and improving local library services in Ridgecrest is welcome to attend. Further information about the group can be obtained by telephoning Imelda Nee at 375-5436.

"Secrets of Searles Lake — from Brine to Bicycles, Bottles and Baking Soda," is the new Saturday adventure to be presented tomorrow from 3 to 4 p.m. at the Maturango Museum. The program is open to "children of all ages" and will focus on how Searles Lake chemicals are used to produce such items as ceramic tile, gypsum wall board, clothing, soaps, cleansers, bicycles, bottles and baking soda.

Margaret Cothran, a former teacher, will make the presentation in the new museum building, 100 E. Las Flores in Ridgecrest.

# Swap meet

NWC's Recreational Services Department will sponsor the second of its monthly Swap Meets on Saturday, Feb. 7 at Bennington Plaza's parking lot. The sale will be held the first Saturday of each month.

Anyone interested in selling need pay only a \$3 fee which covers sales space and publicity. The sales lot will be open from 8 a.m. until 1 p.m. Buyers can table hop rather than go yard sale hopping throughout the town, saving time and gas money.

Space rental information is available at the Information, Ticket and Tour (ITT) Office, NWC ext. 2010, Monday through Friday from 9 a.m. to 5 p.m.

**NWC HOTLINE**  
Integrity, efficiency program  
Call: NWC ext. 3636 (24 hrs.)  
or call the Inspector General at:  
(800)522-3451 (toll free)  
288-6743 (Autovon)  
(202)433-6743 (commercial)

# Movies

FRIDAY, SATURDAY	"SOUL MAN"	JAN. 23, 24
	Starring C. Thomas Howell and James Earl Jones (Comedy, rated PG-13, 105 min.)	
SUNDAY	"TWELVE MONTHS"	JAN. 25
	(Animated, rated G, 64 min.)	
MONDAY	"AGNES OF GOD"	JAN. 26
	Starring Jane Fonda and Anne Bancroft (Drama, rated PG-13, 99 min.)	
WEDNESDAY	"OUT OF BOUNDS"	JAN. 28
	Starring Anthony Michael Hall and Jenny Wright (Drama, rated R, 92 min.)	
FRIDAY	"SHANGHAI SURPRISE"	JAN. 30
	Starring Madonna and Sean Penn (Adventure/Drama, rated PG-13, 97 min.)	

Starting Time: Evening 7 pm  
(G) ALL AGES ADMITTED  
General Audiences  
(PG) ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) RESTRICTED  
Under 17 Requires Accompanying Parent or Adult Guardian

★ U.S. Government Printing Office: 1987 — No. 40039

FROM \_\_\_\_\_ PLACE STAMP HERE

TO \_\_\_\_\_

# LNI Gorden chosen as NWC's Sailor of the Year

Called a "superb professional" by his supervisor and one of four sailors at the Naval Weapons Center to attain Sailor of the Quarter honors during 1986, Legalman First Class William H. Gordon has been selected NWC's Sailor of the Year for 1986.

Command Master Chief ABCM Larry Duysen said the first class petty officer was designated Sailor of the Year by a Center-wide selection board of a master chief and three chief petty officers late last week.

LNI Gordon is assigned to the Discipline

Office of NWC's Military Administration Department as the command legalman. He has been on board the Naval Weapons Center since April of 1986. "I was shocked and surprised at the selection," said LNI Gordon.

Lt. j.g. M.M. Vanderkamp, LNI Gordon's supervisor, when nominating him for Sailor of the Quarter said, "Petty Officer Gordon has been instrumental in providing unexcelled legal assistance to the personnel aboard the Naval Weapons Center. The coordination he provides between the Legal

Services Office at Port Hueneeme and the command is complete, concise, professional and effective."

The desert has been a good home for Petty Officer Gordon, his wife Chris and their six-year-old son, Robert. They have been busy enjoying the variety of entertainment and recreation opportunities offered by the area. In fact, Gordon said they hope to return to the area after he retires from the Navy in several years.

The 15-year Navy veteran came to NWC from a three-year tour of duty with the

Naval Legal Services Office in Naples, Italy. He noted he spent his first year in the Navy as a yeoman before converting to the challenging legalman's rate.

There is nothing boring about duties as a legalman for a command like the Naval Weapons Center. "It's always very interesting," noted LNI Gordon, of his Naval career as a legalman.

When he was selected as Sailor of the Quarter, Petty Officer Gordon was credited with having been able to process report

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Naval Weapons Center, China Lake, California 93555-6001

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# Stewardship of land presents exciting challenge

## Many laws, regulations and directives apply to resource management

With one-third of all Navy lands belonging to NWC, concerned stewardship of these lands and their resources is a real challenge to Dr. Tom McGill and the dozen or so anthropologists, biologists, engineers and technicians in the Environmental Branch of the Public Works Department.

The Naval Ordnance Test Station (now NWC) was established in the Mojave Desert because it was seen as a desolate, isolated area. Despite its not being heavily populated, however, the desert was and still is rich in both natural and cultural resources. These resources are protected by a wide range of laws, regulations and directives with which the Center must comply; Dr. McGill and his personnel are tasked to ensure such compliance.

Probably the most dramatic instance of efforts made by the Navy to protect the natural resources of the desert was the major burro removal program that began in 1979. Burros, not native to the area, had been involved in such a population explosion that they were threatening the habitat of many other wildlife as well as proving a major hazard to human safety by straying onto the runways at the airfield and Center roads.

The burro removal program resulted in more than 8,000 being taken from Center lands. Since this meant that water and food were now available for native species, the Center has joined with other agencies in re-establishing bighorn sheep on Navy lands where they roamed naturally for eons.

Also being removed are wild horses — horses that either escaped from ranchers or Indians or were turned loose by them.

The horses do not pose the threat to other species that burros did because they have different eating and drinking patterns and because the horse population doesn't grow as rapidly as the burro population did. However, their numbers have still exceeded the capability of the range resources.

So far more than 1,500 horses have been captured and removed and Dr. McGill estimates that there may be as many as another 1,500 yet on the north range; another removal will be carried out in conjunction with the Bureau of Land Management early this year. Both horses and burros are released to various humane groups, who run adoption programs for these animals. Horses from the Navy's land can also be adopted directly from BLM.

Of particular concern also are endangered, threatened or protected species native to the area, such as the Mojave ground squirrel. Biologists estimate that a large portion of the total remaining population of these charming creatures lives a

sheltered life on Center lands.

Not native to China Lake is the Mojave chub, an endangered fish species whose total remaining number were at Zzyzzx Springs until the 1970s, when some of the chubs were removed to 14 different locations in an effort to save the species.

Around 400 chubs were placed in the Lark seep on the Center's inner range — and have multiplied to an estimated more than 100,000. Since the chubs are covered by special laws relating to endangered species, Center biologists are required to exert special effort for their protection.

Surveys to determine what animals, birds and insects actually call China Lake lands home are ongoing at all times. "Only if we know what species we've actually got

here and how many of each can we tell what good stewardship requires us to do," says Dr. McGill.

The variety and amount of animal life is astounding, he notes, adding that more than 237 varieties of birds alone have been identified.

The flora (plant life) of the area is also of great interest, he adds. For example, Dr. Frank Vesek of the University of California at Riverside is a world authority on creosote plants at China Lake that he has correlated through a carbon-14 dating method as being from 6,000 to 10,000 years old.

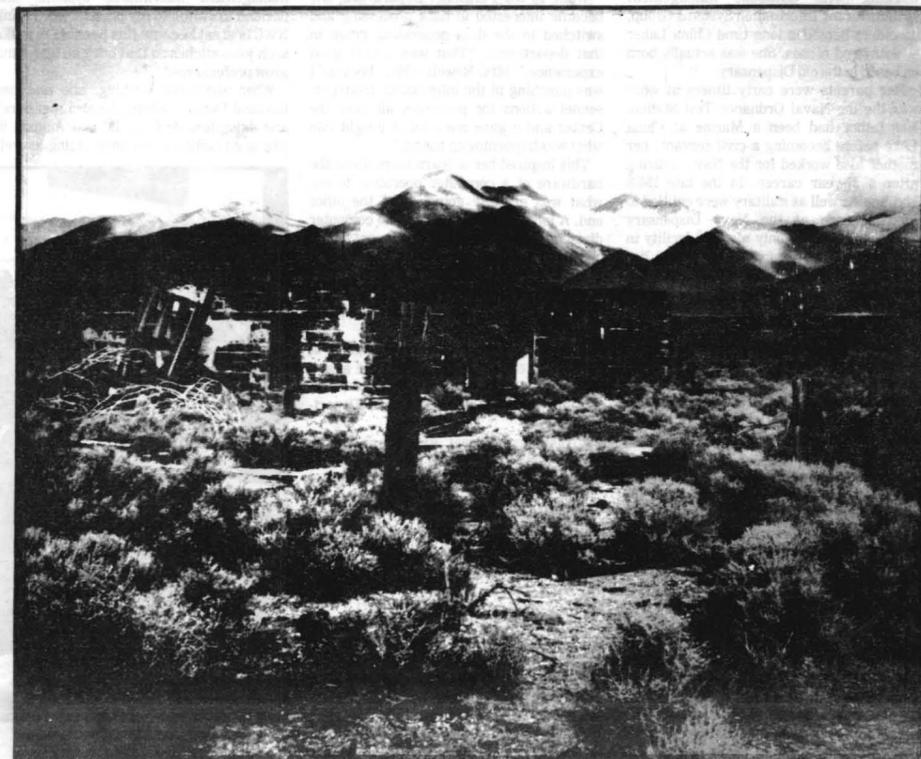
A creosote plant propagates at its edges. As the inner portion of the plants die, the

creosote plant grows outward in a ring-like fashion and some of the very ancient creosote plants found have a growth diameter in excess of 30 feet.

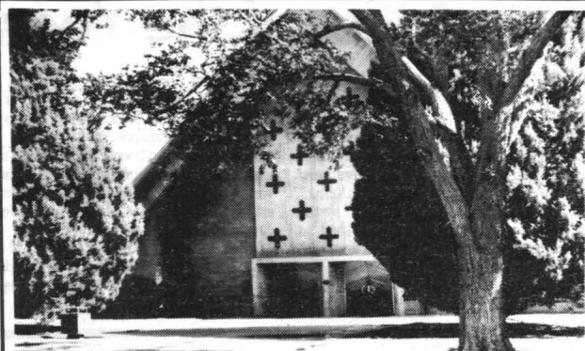
Man-made resources on board Navy lands are also covered by many laws and regulations. There protection is in many ways more critical than natural resources, because they are not renewable. Once damaged or destroyed, they are gone forever.

Both Little Petroglyph and Big Petroglyph Canyons are national registered historic landmarks. Anthropologists from throughout the world have come to the local area to study these drawings incised into the rocks. The variety of figures that seem

(Continued on Page 7)



RANCH RUINS — Farming and ranching near the existing SNORT facility existed before the Navy came to the Indian Wells Valley during World War II to create the Naval Ordnance Test Station.



## Divine Services

PROTESTANT	
SUNDAY WORSHIP SERVICE	10:30 a.m.
SUNDAY SCHOOL (Annexes 1, 2, 4, and the East Wing)	9 a.m.
BIBLE STUDY (East Wing)	
Wednesday 11:30 a.m.	Sept. through June
Thursday 7:00 p.m.	Officer's Christian Fellowship
	Christian Military Fellowship
ROMAN CATHOLIC	
SUNDAY MASS	9:00 a.m.
CONFESSIONS (Sunday)	8:15-8:45 a.m.
COMMUNION SERVICE (Monday)	11:35 a.m.
DAILY MASS (Tuesday through Friday)	11:35 a.m.
CONFESSIONS (Friday)	4:30-5:00 p.m.
RELIGIOUS EDUCATION CLASSES (Sunday) Sept. to May	10:30 a.m.
JEWISH	
WEEKLY SERVICES (Friday, East Wing)	7:30 p.m.
ADULT EDUCATION (Saturday, Annex 4)	9 a.m.
RELIGIOUS SCHOOL (Sunday, Annex 4)	1 p.m.

Chaplain J. Milton Collins, Capt. CHC USN  
 Chaplain A. J. Smith, Cdr. CHC USN  
 Chaplain C. R. Beede, Lt. jg. CHC USNR  
 Hearing impaired equipment available. Nursery available.  
 Phone NWC ext. 3506, 2773

## Organ concerto to be played

With Shirley Helmick at the triple manuals of the All Faith Chapel organ, Handel's "Organ Concerto No. 13 in F Major" will be the featured work in the Desert Community Orchestra concert Sunday at 3 p.m. in the All Faith Chapel.

Other selections that will be played will be Paul Dukas' "Fanfare pour preceur 'La Peri,'" the "Funeral March" from Richard Wagner's "Die Gotterdammerung," "Serenade for Winds" by Richard Strauss and Wolfgang Amadeus Mozart's "Serenade No. 13 in G Major," better known as "Eine kleine Nachtmusik."

Members of the Indian Wells Valley Association for Retarded Citizens will be

guests of the Desert Community Orchestra Association for this concert.

Regular single-concert tickets will not be sold at the door for this second concert of the DCOA season; concertgoers without a season ticket will instead be invited to make a donation to the All Faith Chapel (regular single-concert admission is \$6, reduced to \$4 for students, senior citizens and active-duty military personnel).

Season tickets for this and the other two series concerts in March and May are available at \$15 for individuals and \$26 for families. Anyone interested in purchasing a season ticket is invited to telephone Bill Werback at 375-5204.

## Catholic instruction offered

Those who are inquiring about the Catholic faith with the possibility of joining the Church or those who are married to Catholics and would like to have a better understanding of the beliefs of their spouse and children (whether or not they intend to join the Church) are invited to attend a class of religious instruction sponsored by the All Faith Chapel.

The class will begin at 7 p.m. Thursday, February 5, at Chapel Annex 4. It will con-

tinue to meet Thursday evenings through April 9; those who wish to be received into the Church will be welcomed at the Easter Vigil on April 18.

The course is an overview of Catholic beliefs and practices. It would prove helpful for anyone who needs a refresher course in the Catholic faith.

Anyone wishing to pre-register can do so by telephoning the Chaplains' Office at NWC ext. 3506.

## Prayer Breakfast set Feb. 5

Capt. Burt scheduled as guest speaker

Thursday, February 5, has been designated as the day for the National Prayer Breakfast. The Center's breakfast will be held at the Enlisted Mess, starting at 6 a.m. and everyone is invited to attend.

Speaker at this year's Prayer Breakfast will be Capt. John Burt, NWC Commander,

whose theme will be "Two or More."

Tickets for the breakfast are \$3.50 per person. They can be purchased at the Chapel office, from the Command Master Chief of both NWC and VX-5 and in Ridgecrest at the Maranatha Bible Bookstore and at Desert Auto.

## NWC coffee mugs go on sale

NWC coffee mugs are now available for those who like to proclaim proudly where they work. These can be purchased from the Craft/Hobby store for only \$3 each.

Anyone wanting to buy one of these ceramic cups can either stop by the Craft/Hobby center or can order one by telephoning NWC ext. 3252 or 2942.

## Terry Rowell is REAL long time China Laker

Terry Rowell, a computer specialist working with database management systems in the Information Systems Group, considers herself a long time China Laker — with good reason. She was actually born on board in the old Dispensary.

Her parents were early timers at what was the Naval Ordnance Test Station. Her father had been a Marine at China Lake before becoming a civil servant; her mother also worked for the Navy, retiring after a 37-year career. In the late 1940s civilians as well as military were entitled to medical care at the Navy Dispensary because it was the only medical facility in the area. When young Terry made her debut into the world, it was in what is now the Aerosystems Building at Nimitz and Hussey.

A Burroughs High School graduate, she then went to Bakersfield Junior College and Grossmont in San Diego before returning to the local area and going to work on board.

"I started work as a GS-2 telephone operator — and I was so excited at being able to work here," Mrs. Rowell recalls. After about a year at that job, she became a payroll clerk before moving to the Personnel Department as a personnel clerk.

While in the Personnel Department, she became interested in data processing and switched to the data processing group in that department. "That was a very good experience," Mrs. Rowell adds, "because I was punching in the information from personnel actions for personnel all over the Center and it gave me a lot of insight into what was happening on board."

This inspired her to learn more about the hardware of a computer operation to see what was actually going on at the other end. A job switch took her to the computer division in the Research Department where she became a computer operator for the mainframe Sperry UNIVAC computer.

"I enjoyed the work," she recalls, "but it was terribly noisy because of all the hardware."

A growing interest in various aspects of computers caused her to move once again, this time to work with management information systems in the Weapons Department.

"This was a great experience," Mrs. Rowell adds. "I got to see how a large, well managed technical code works. I enjoyed

that job, but I wanted to learn more about management information systems and decided to switch to my present job. I think NWC is great because it is possible to make such job switches so that one can learn and grow professionally."

When she's not working, she and her husband Dennis (whom she also met here) and daughters Andrea, 16, and August, 9, like to go camping and snow skiing as well

as playing tennis. "I'm also an avid shopper," Mrs. Rowell adds.

This summer she'll have quite an event to shop for. She is on the committee organizing the 20th reunion for the Burroughs class of 1967, to be held July 11.

"It'll be great to see everyone again," says Mrs. Rowell. "The area is getting big enough now so that I don't often even see those still living here."



RIGHT WHERE SHE STARTED — Terry Rowell is especially pleased to be working for NWC since she was actually born in the old China Lake dispensary. — Photo by PH2 Rick Moore

## Environmental Branch watches resources . . .

(Continued from Page 1)

to be of animals, men and symbols is enormous, but the most common theme is the bighorn sheep, followed by drawings of other animals or man-like figures.

Probably not as ancient as these are pictographs (drawings on rocks) found in various locations on the ranges. These located both in the open and in caves or shelters where Indians, prospectors and miners took refuge from the harsh climate.

Sacred to the Indians of the area is the Coso Hot Spring area. Historical and archaeological sites can be found and Indians to this day use the hot springs for medicinal purposes. The Navy has worked closely with Indians of Inyo County to protect their sacred sites and to permit them access to Navy land for religious and healing ceremonies.

Residents of lands that now belong to the Navy were not always so friendly to Indians. Found in the Cosos also are the remains of a small stone fort built in the 1960s to protect the miners from Indians.

Coso Village, lying in the far north range area, was founded by Dr. Darwin French in 1854 and had residents until the early years of this century. Other miner's shacks and residences can also be found where these optimistic souls tried their luck at making a major strike (none did).

While the sites of Indian habitation are not as obvious to the layman as miner's shacks, many such sites exist. Again, federal laws and regulations cover what degree of protection must be extended to these, laws that the Navy is careful to follow.

Equally requiring protection are the elements necessary to keep the Center operational: water and air quality and the proper disposition of toxic waste materials.

Water quality is of prime importance to any population. Without adequate water, no community or establishment can survive in the desert.

Engineers and specialists working in the Environmental Branch coordinate the Center's concerns at ensuring that groundwater not become polluted. NWC is working closely with the regional regulatory agencies to bring the Navy into compliance with all requirements as these are established.

Toxic waste and its disposal has been the biggest man-made problem. Until recently, the role of toxic wastes and their power to create havoc with water and air quality had not been well understood. Consequently, today it is necessary to clean up areas where such wastes had been dumped in the past. NWC, for instance, is now involved in a major clean-up of jet fuel that had been dumped at the airfield that might pose a threat to water quality in the future.

Dr. McGill emphasizes that an awareness of proper removal of toxic wastes and the differences in handling of toxic and industrial wastes is essential to the future of the Center.

Specialists on his staff are available to consult with scientists and engineers on board who have questions about such materials. He adds that it's very important to know the content of toxic materials before they are either removed for storage prior to disposal or disposed of.

Air quality is just as vital for the Center's operations. NWC is very active in working with other groups on a regional basis — and especially with other high desert military establishments in the R-2508 air space — to try to keep visibility from deteriorating further. China Lake and Edwards need a minimum of 50 miles visibility for weapons and aircraft tests.

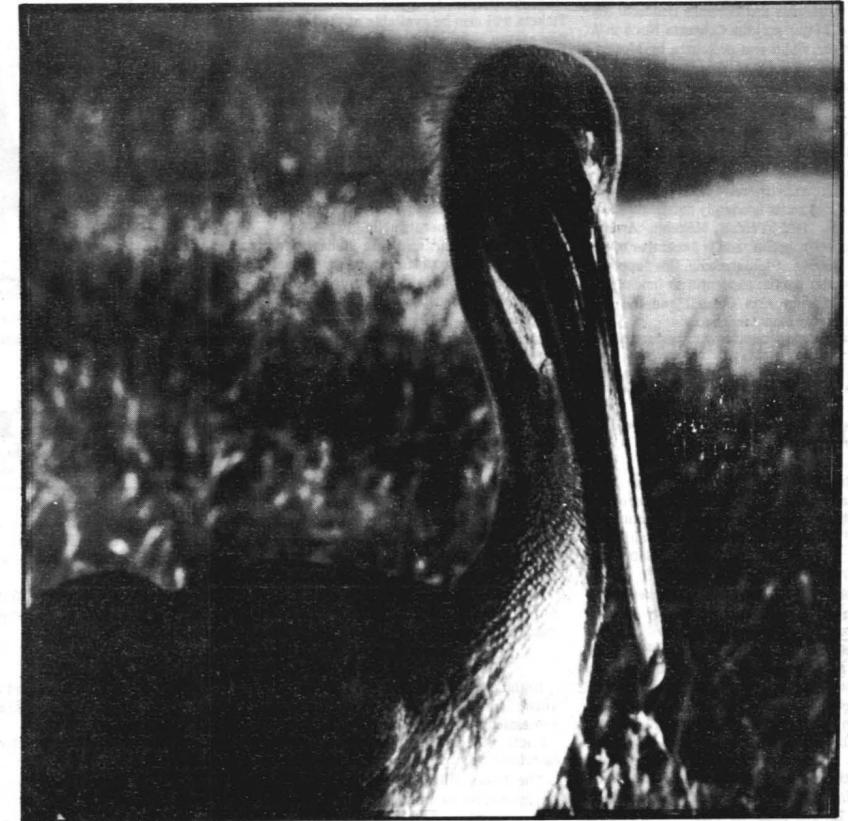
The number of groups with which the Center is coordinating air visibility needs is typical of its environmental programs.

As well as working with federal, state and local governmental groups, the Center has permitted university and college classes and individuals to study wildlife,

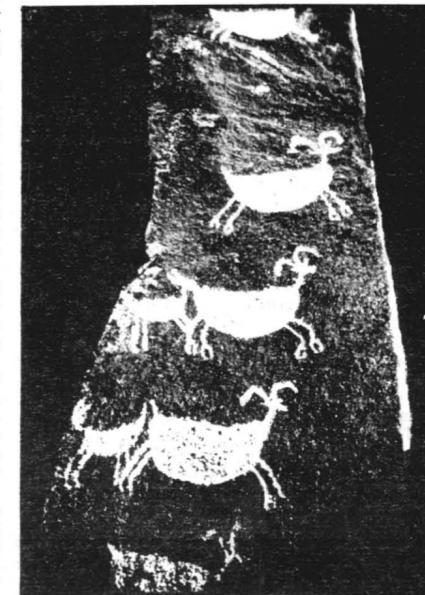
plants, hydrology and geology on board and has used the fruits of their research in its own environmental activities. Other

organizations such as the Desert Bighorn Council have also worked closely with members of Dr. McGill's branch.

"It's in all our interests to work together to protect the environment," he says. "We all benefit from the results."



NWC VISITOR — This brown pelican is one of many birds found visiting NWC. This one was seen at Lark Seep. Geese, ducks and gulls are also frequent fly-in visitors.



PETROGLYPHS — NWC lands abound with signs of early man including petroglyphs and pictographs in remote canyons of Center ranges.



EARLY SETTLEMENTS — This building at Cole Springs is a remnant of the early days of prospectors and fortune seekers in the Indian Wells Valley.

**NWC Rocketeer**

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PH2 Rick Moore  
 Staff Photographer

# Twenty-four teams compete in youth hoop loop

Twenty-four teams competed in the 1987 Youth Basketball League play during the second full week of action. All instructional and intermediate division games will be played at the NWC Youth Center, while the junior and senior teams meet in the NWC gym with action lasting until the middle of March.

### Senior Division

#### Clippers 77, Bullets 23

The Clippers had an easy victory over the Bullets. Seth Laborde led the way with 23 points, Chris Armstrong contributed 18 points in the win and Scott Arts and Perry Martinez chipped in 14 points each. Kelcey Newman paced the Bullets in their efforts with 6 points and Parish added 5 points. Gregory Benadon had 4 points in the loss.

#### Mavericks 63, Kings 29

In a big win against the Kings, Jeff Smith earned 22 points for the Mavericks. Troy Perkins aided the win with 17 points while Brian Perez and Aaron Drybread each contributed 6 points. Griff Davies played a good game for the Kings totalling 15 points. Ted Ingle chipped in 6 points and Johnathan Koelsch added 4 points in the loss.

### Junior Division

#### Jazz 43, Clippers 33

Despite Sean Gilbreath's 20 points and

Wade Patterson's 11 points, the Clippers still lost to the Jazz. Philip Johnson scored 17 points to help the Jazz with the win and Darrell Eddins, Jr. added 14 points. Chris Fischer and Travis McCollum contributed a total of 12 points to secure the win.

#### Hawks 32, Lions 22

The Hawks were victorious because of a team effort led by Scott Ross' 14 points. Natalie Noel scored 8 points, Beau Arnold added 6 points, while Patrick Rindt and Herbert Morton totalled 4 points. Despite Dwight Mason's 14 points, the Lions just couldn't find enough points. Wally Mercado helped with 4 points and Donn Goodman and Carl Brown tried with 2 points each.

#### Pacers 43, Eagles 29

In this lopsided effort, Scott Hansen chipped in 20 points for the Pacers. Michael Larson added 8 points and Adam Plugge and David Moreno each added 4 points in the win. Staples made a strong effort for the Eagles scoring 14 points, while Carter Jones added 9 points and Marcus Lopez and David Bush added a total of 6 points in the loss.

### Intermediate Division

#### Flames 27, Pistons 22

Despite balanced scoring, the Pistons were nipped by the Flames. Aaron

Schwartz was the high scorer for the victors with 8 points, while Will Irvin scored 7 points. David Davis chipped in 6 points and Brett Becker, Tristan Smith and Greg Greedy each contributed 2 points for the winners. Damon Kelling tried to slow the Flames with 14 points, while Sean Williams contributed 6 points in the loss with Joseph Mechtenberg scoring 2 points.

#### Nuggets 26, Huskies 10

Four players contributed to the lopsided win for the Nuggets, while only two players scored for the Huskies. Danny Kamben was the high for the Nuggets canning 10 points, with 8 points by Christopher Williams. Jason Duff contributed 6 points in the win and James Benadon scored 2 points. Jessie Jones made an 8-point effort in the loss with Bryan Booth making 2 points.

#### Cliffs 25, Celtics 12

High scorer for the game, as well as the victors, was Josh Moorehead with 17 points. Tory Flores, Brian Hire and Jessie Lewis contributed a total of 8 points in the win. Carl James canned 6 points, Charles Rouland 4 points and Joel Haynes 2 points in the Celtics' defeat.

#### Spurs 37, Rockets 10

The Spurs had no trouble with the Rockets in an easy victory. Dennis Sarrett notched 20 points, with Mark Russell

scoring 5 points, Michael Eberhart and Aaron Plugge added 4 points each, and Keith Parris and Nicholas Barkemeyer earned 2 points each. In the losing effort, Jonathan Moffitt notched 6 points and Joey Ernst and Akini Garrett each scored 2 points.

### Instructional Division

#### Suns 11, Stars 10

Daniel Hartley made a valiant effort in this closely matched game. The only scorer for the Stars, Hartley made the 10 points with 5 field goals. The Suns were victorious with Chris Branson hitting 8 points. Shelbie Hansen had 2 points and Lacy Cordell had 1 big point in the win.

#### Jets 12, Nets 2

Tim Clark was the only scorer for the Nets. Michael Ross was the high scorer for the Jets with 6 points. Daniel Kelling and Patrick Ross assisted in the win with 4 and 2 points respectively.

#### Runners 30, Bulls 11

Tony Dominguez and Lewis Moore ran away with the win by scoring 15 and 13 points respectively. Joseph Charlon added the final 2 points. Jonathon Mickelsen could only muster 5 points for the Bulls. Neil Underwood chipped in 4 points and Daniel Dowling added an additional 2 points for the loss.



## Sports

### Last of the unbeatens fall

There are no unbeaten teams remaining in the NWC Intramural Basketball League. De Bums, last of the unbeatens, fell in their outing last week and dropped to a 5-1 mark, still good enough to remain atop the "B" Division standings. In the "A" Division, Pioneer sports a 10-2 record while the Sonics and NWC Varsity are knotted for second place with 8-3 marks and the Call Fireman are 7-4 in fourth position.

Games in both divisions are played in the NWC Gym.

### Owens Valley anglers score

Anglers who have been willing to brave the cold weather and high winds in the Owens Valley have been having pretty good success in catching trout from the Owens River, providing they use bait such as eggs and worms.

Actually, they should be improving their success after this week. Brood stock, weighing an average of 3 pounds per

trout, has been planted in the river from Stewart Lane north to Five Bridges.

Water fowl season has now closed on a disappointing note. The winter storms came too late to move birds through the Owens Valley in any large quantity.

This is the last weekend for chukar and quail hunters. The season closes on Sunday at sunset.

### China Lake Little League set to open new season sign-ups

China Lake Little League got off to a good and early start by hosting a season "warm up" last Saturday.

China Lake Little League is the only nationally affiliated Little League program serving the youth of Ridgecrest, China Lake and Inyokern. Any boy or girl, who will be 6 through 12 years old as of July 31, is eligible to participate in Little League. Youths aged 13 through 15 are eligible to participate in a new Senior League Baseball program.

Registration will be held tomorrow from 9 a.m. until 1 p.m. at China Lake Little League's Diamond 4 (across from the NWC Credit Union). Players may also register next week, January 31st, from 9 a.m. until 1 p.m. at Diamond 4. Inyokern

players are invited to register in China Lake at the above dates or may wait until February to register in Inyokern. There will be additional sign ups scheduled in February.

Fees this year, which are tax deductible, are \$15 per player or \$35 per family with three or more players. The fee helps provide for player insurance, and includes a picture package, hat and shirt for T Ball and Farm players, a hat for older players and pins for all players.

Skill assessments will begin in February.

China Lake Little League's 1987 season begins on April 25. If you have any questions, contact K. Moffitt at 446-6781.

### Volleyball time approaches

Intramural activity will switch to volleyball this spring at the Naval Weapons Center. The opening organizational for players and team representatives meeting

for a volleyball league will be held at the NWC Gym Office at 4:30 p.m. on Feb. 4.

Additional information is available by calling the Sports Office at NWC ext. 2571.



## The Skipper Sez...

### QUESTION

Hi, Skipper. On my telephone bill they want me to pay them for the maintenance of the wires inside my house or \$49.50 a call if it ever has to be done. I live in Navy housing and I would like to know who is responsible for maintaining the telephone wiring for the house I live in, me or the Navy. Thank you very much.

### ANSWER

There have been recent instances where occupants of Navy family housing have received mailings from some telephone companies regarding maintenance and repair of telephone lines and jacks inside their units. These mailings usually state that, effective Jan. 1, 1987, changes in Federal Communications Commission regulations make the resident responsible for interior wiring. Further, the phone company offers the occupants several options for wiring repair: they can fix any problem themselves; pay someone to fix it; pay the telephone company to fix it; or pay a small monthly charge and the telephone company will fix it at no extra charge.

As owner of the housing unit, the Navy, not the occupant, is responsible for repair of interior telephone wiring and the phone jack. Reference (a) authorized the use of Family Housing, Navy (FH,N) funds to "install, maintain, and repair telephone wiring in Government-owned and leased quarters..."

### SKIPPER'S COMMENT

From time-to-time, I receive inquiries regarding attitudes and actions about raising and lowering the flag in morning and evening ceremonies. Much has been written and discussed on this subject by previous Commanders. My attitude is summarized quite nicely in the following poem.

Somewhere a bugle softly sounds  
The message of renown.  
And men inside their buildings wait  
Until the flag comes down.

And others run to get their cars  
Quite harrowed or dismayed  
Afraid they will not reach the gate  
Before retreat is played.  
Not thinking of the flag or men  
who fought to keep it flying.

How many would be glad to stand  
Whose bodies are now mute.  
Or have no hand that they may raise  
And stand in proud salute.

So accept it not as duty  
But a privilege even more  
And receive it as an honor  
Instead of just a chore.

Enough said.

All China Lakers, including military personnel, civilian employees and their dependents, are invited to submit questions to this column. Such queries must be in good taste and pertain to matters of interest to a large segment of the China Lake community. Answers to these questions are directly from Capt. John Burt. Please call NWC ext. 2727 with your question and state whether you are a military member, civilian employee or dependent. No other identification is necessary. Since only three or four questions can be answered in the Rocketeer each week, anyone who would like to ensure getting an answer to a question may leave name and address for a direct contact, but this is not required otherwise. There is no intent that this column be used to subvert normal, established chain-of-command channels.

### LN1 Gordon wins award...

(Continued from Page 1)

chits, organize and execute masts and administrative boards without the assistance of a full-time discipline officer or additional clerical assistance. His highly professional efforts brought him recognition including a letter of appreciation from the Naval Legal Services Detachment at Port Hueneme for "exceptional professional ability, initiative and total dedication to duty."

Off-duty hours find the Center's top sailor

active in bowling, watching stock car racing and working with his son's soccer team during the season.

There's more to come for this outstanding sailor. He will be among the blue-jackets competing for the Navy League's annual Bluejacket of the Year. Sailors of the Quarter for NWC and Air Test and Evaluation Squadron Five (VX-5) will vie for this singular honor later this year.

### Health evaluation offered

On Sunday, February 1, the Loma Linda Center for Health Promotion will conduct a one-day health and risk evaluation to help residents determine what their personal risk of heart attack, stroke or other preventable disease might be. Three separate packages of risk evaluation will be offered.

In the first, which costs \$138, there will be a treadmill test, electrocardiogram, lung function test and a blood chemistry profile (which includes measuring triglycerides, cholesterol, HDL, glucose, coronary heart disease risk ratio and other factors).

The second package, at \$60, includes percentage of body fat, colon cancer screening, blood chemistry profile and a computerized health analysis. The third package, at \$164, includes both of the other tests.

Those who wish to take the screening, which will be at the Ridgecrest Seventh Day Adventist Church, must make an appointment before January 29. They can make appointments by telephoning the Center for Health Promotion at (800) 824-4949.

### NAVCOMPT staffer here on Jan. 28

Donald Vocca, who is the NAVCOMPT Trainee Program staffer for the Civilian Financial Management Career Program, will reschedule his visit for Wednesday.

All persons interested in learning more about this program and talking with him should telephone Rose Short, NWC ext. 2557 or 2460 for scheduling information.

# EEO program praised

## Command Inspection team visits

"Enthusiasm, proactivity, and innovation best describe the approach being taken to manage the EEO program at the Naval Weapons Center," says the summary evaluation for the Command Inspection of NWC held late in October and early November 1986.

NWC was among the first Navy establishments to integrate its Equal Employment Opportunity function into the Personnel Department where it now serves as one division of that department. Kathy Kraft, the Center's Deputy EEO Officer (the Commander is the EEO Officer), points out that this has several distinct advantages.

"First," Mrs. Kraft notes, "NWC believes that EEO is part of every manager's responsibility. The best way to ensure that this philosophy is carried out is to be able to consider EEO with all personnel actions of any sort."

"And," she adds, "by making EEO part of the Personnel Department, it's possible to get a much better mixture of EEO specialists and personnel specialists and to train each in the other area of specialization."

The Command Inspection team agreed. Their report says that this integration of EEO into Personnel provides the same promotion potential for EEO specialists as exists for other personnelists and also results in an infusion of fresh ideas to the management of the EEO program by the personnelists.

"The technical personnel knowledge that is brought to the EEO area by personnelists also helps with resolving problems," Mrs. Kraft believes, "benefiting everyone."

The EEO staff of specialists currently includes Julia LeBlanc, EEO Complaints Manager, who also handles the Hispanic Employment Program; Cheryl Hemmings, EEO Complaints Manager, who is also responsible for the Federal Women's Program; Judi Farmer, Handicap Program

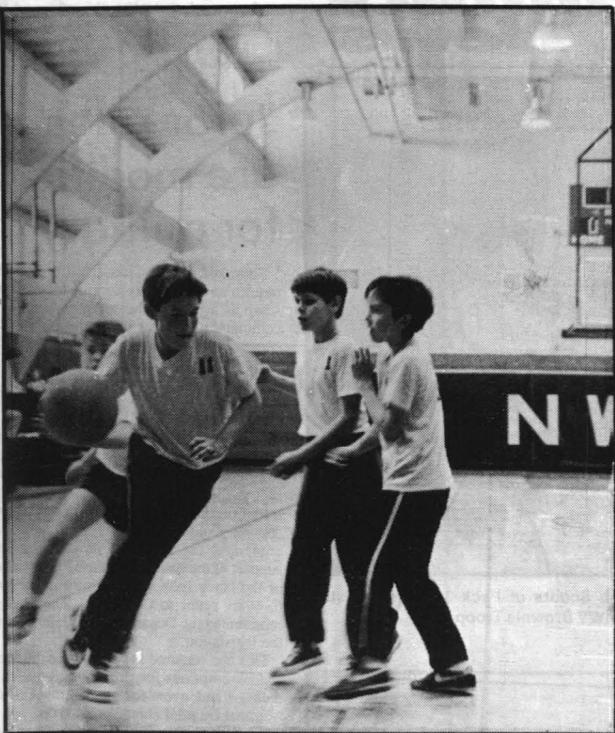
Manager, who also manages Upward Mobility and the Summer Program; and Catherine Rogers, who will handle the Black Interest Program as well as undergoing training as a Personnel Specialist. Both of the EEO staff who handle complaints attend the Personnel Services Division staff meetings and serve as a staff resource.

"A large part of dealing with EEO complaints" Mrs. Kraft feels, "is opening communication lines between those involved. Our 10 EEO Counselors have been chosen because of their skills in this area." These counselors are personnel in various departments throughout the Center who are assigned on a collateral duty basis. To enhance the skills that they bring to the program, they also receive extensive training in EEO affairs.

NWC's commitment to EEO and affirmative action is demonstrated by the representation of minority scientists and engineers which has increased by 14 percent over the past three years and by the number of women in the same grouping which has increased by 17 percent. Minorities now represent 7.06 percent and women 8.2 percent of all scientists and engineers on board.

"With EEO being part of the Personnel Department, it's easier to concentrate on actively recruiting women and minorities," according to Mrs. Kraft. Handicap recruitment has been especially good, as has the re-employment of Center personnel who become handicapped; they represent 8.05 percent of NWC's full-time permanent work force, the highest representation of handicapped employment in SPAWAR field activities.

"The Naval Weapons Center is to be commended for their positive attitude and work efforts in support of the Navy's Equal Opportunity Program," the Command Inspection evaluation concludes.



**YOUTH HOOPS** — Youngsters in the NWC Youth Basketball League completed their second week of the 1987 season last week. The boys and girls compete in four divisions according to age and skill levels.

### Youth Baseball registration

Indian Wells Valley Youth Baseball is opening registration for the 1987 season tomorrow (Saturday) at the Desert Empire Fair's Exhibition Hall starting at 1 p.m.

The new league, affiliated with Pony Baseball Inc., is open to all youngsters in the Indian Wells Valley from six to 16 years of age. Formerly Ridgecrest Little League, the new loop will also have registration for this season on Feb. 7, 14, 21 and 28 at the Kerr-McGee Field at the intersection of West Ridgecrest Blvd. and Downs Street. The times on all those days are from 10 a.m. to 3 p.m.

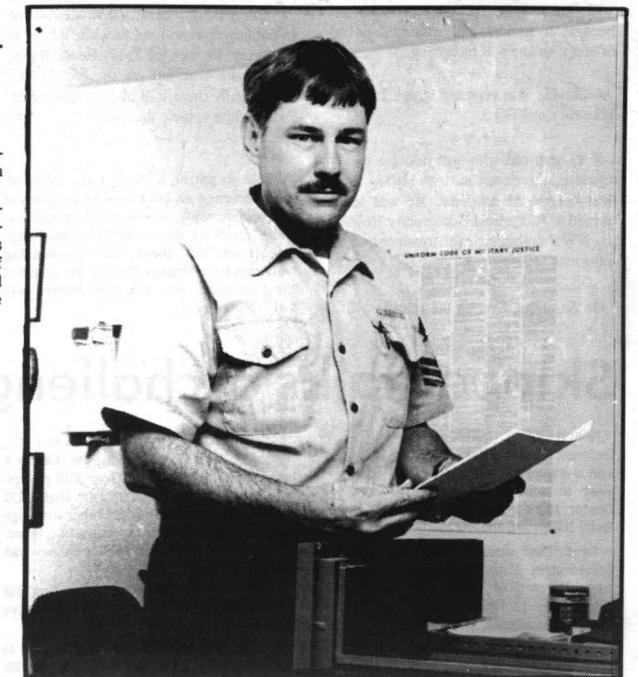
IWV Youth Baseball officials say the new organization has lowered registration fees

of \$5 per player, with a \$10 maximum per family. In addition, more adult coaches will be allowed for greater supervision and safety and it has adjusted the diamond size for each age group.

Each player will play a minimum of three innings per game and the span of ages has been reduced for each division.

Numerous other changes and improvements are planned for the 1987 season in the Indian Wells Valley.

For additional information about IWV Youth Baseball and the upcoming baseball season, call Bill Neider at 375-5420, Ray McCue at 375-2182 or Rick Booth at 375-3309.



**TOP SAILOR** — LN1 William Gordon said he was really surprised to learn he had been chosen the Naval Weapons Center's Sailor of the Year for 1986. Petty Officer Gordon was chosen from the four sailors who were Sailors of the Quarter during 1986.

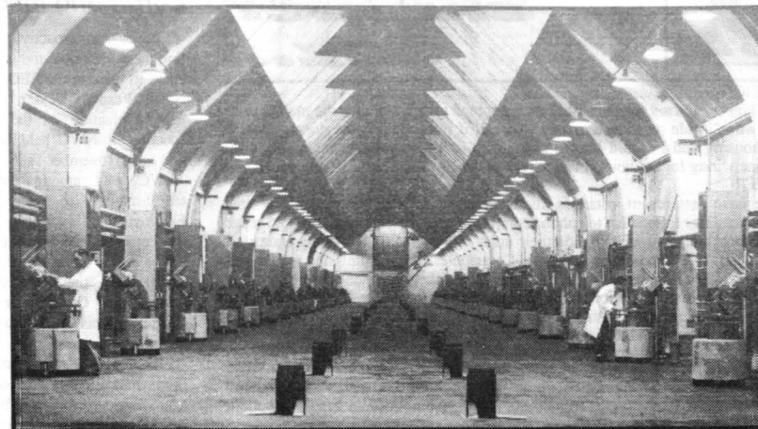
## Thompson Lab's mission changed as NOTS did

Although actual construction of the 22,869-square-foot Thompson Aeroballistics Laboratory was completed in 1950, equipping it and getting all cameras aligned properly took several additional years.

Cameras were mounted in the building to photograph scaled down models of rockets that were test flown so that their aerodynamic properties could be determined. To properly accomplish this, the whole building and camera mounts needed to be surveyed to a fraction of an inch so that precise measurements of photos taken of rockets in flight would yield meaningful data.

The laboratory was in operation by the time that Dr. Thompson left China Lake in 1951; when he returned for NOTS' 13th birthday celebration on Nov. 9, 1956, the aeroballistics laboratory was formally dedicated and named after him.

As the work of NOTS changed, the cameras in that building were removed and the building was rehabilitated for the laboratories and office spaces now found within its walls. The laboratory dedication plaque that has been removed from the Thompson Laboratory during the rehabilitation process was located in 1983 and was affixed to a large rock outside the building in July of that year.



### China Lake Police Reports

A government vehicle backed into a civilian vehicle at the auto hobby shop. No injuries occurred.

A hit-and-run accident happened in the BEQ parking lot. An unknown vehicle hit a rental car parked in the lot and caused minor damages to that vehicle.

When a father tried to give medication to his daughter against the will of his wife, the wife called police. The woman became hysterical and assaulted police officers, so she was incarcerated.

A bicycle was reported stolen from the bike rack at BEQ 3.

A 13-year-old who was riding a motorcycle in the desert east of Halsey Road lost control of his bike. He was transported to Ridgecrest Community Hospital by NWC ambulance for treatment of his injuries.

On Saratoga Avenue the rear door of a

residence was forced open, but nothing was apparently taken.

The Kern County Sheriff's office requested assistance from China Lake police to recover property from the housing area that had been stolen and brought aboard the Center.

A blue Chevy pickup truck was hit by an unknown white vehicle while it was in a parking lot east of Dibb Road. Since white paint was left on the blue truck, undoubtedly there will also be blue paint on the white vehicle that hit it.

While on patrol, a China Lake police officer observed an individual in violation of the vehicle code, stopped the driver and while checking for outstanding warrants, discovered that there were outstanding warrants from Orange County. He arrested the individual, who was then booked into jail in Ridgecrest.

## Skipper talks of challenges at Kern conference

Nearly 8,000 military, Department of Defense civilians and contractor personnel and a budget of \$623 million will join this year to accomplish the Naval Weapons Center mission, according to Capt. John Burt, NWC Commander.

Capt. Burt discussed the Center as he joined other distinguished speakers at the annual Board of Trade Business Outlook Conference in Bakersfield Wednesday. A capacity audience of about 2,000 persons heard this group present the economic outlook for Kern County for 1987.

Capt. Burt noted that over 3,500 tests were conducted on NWC ranges in 1985 and again in 1986, with even more tests expected in 1987 to meet the Center's goal of providing the best weaponry to the nation's

sailors and Marines.

During fiscal year 1986, the Center's budget was \$607 million. Over \$316 million was budgeted for RDY&E. Of that, \$173 million went to government labor and support and \$297 million to contractor labor. About \$75 million of contracting money was spent in Kern County.

Currently, the Center is projecting \$48 million for construction over the next five years.

A new challenge has been presented to NWC this year, Capt. Burt told the capacity audience at the conference. This is managing to payroll.

"We at NWC see it as an opportunity to make us more efficient, which will increase our productivity and provide more bang for

## More aggressive battle against smoking urged in message from DOD

Assistant Secretary of Defense (Health Affairs) William Mayer has recently written the service secretaries about smoking. His message: DOD must get "more aggressive in eliminating this serious hazard to health and military readiness."

According to Mayer, Secretary of Defense Caspar W. Weinberger has completed a review of proposed goals and objectives for the DOD smoking reduction program. Weinberger stated that the five-year goal should be to reduce active duty smoking and other tobacco use to levels significantly below civilian rates. Currently, 47 percent of military personnel smoke, compared to 30 percent of the general population. The military rate is down from more than 52 percent a few years ago.

"Military personnel, charged with the demanding tasks and obligations of national defense, must meet a more rigorous standard of health and fitness beyond that expected of civilians," Mayer told the service chiefs. He said the

Secretary of Defense wants active duty smoking rates to be cut by 10 percent year. Up to now, the services' goal was to reduce smoking by 5 percent year.

Mayer said the services should also direct anti-smoking efforts toward military family members, "because of the strong relationships between active duty member smoking and family smoking patterns."

Mayer said accomplishing these high program expectations would require each service to use every reasonable means available to encourage non-smokers to continue not to smoke. He called for stepped-up education and motivation efforts for recruits and reinforcement of the non-smoking message at change-of-assignment orientations and during all military training programs.

Smoking cessation programs are important, said Mayer, but the anti-smoking program goal cannot be met unless the services encourage members and their families to make the commitment to never start in the first place.

the taxpayer's buck," Capt. Burt continued.

He added that one of the long range effects of this system will probably be a stabilization of the work force at a time when the amount of work is increasing. "One of the solutions to this dilemma will be an increasing need for contractor support," the Skipper said.

Along with the demand for weapons that the Center meets, Capt. Burt noted that natural resource conversation was a concern.

A 20-percent reduction in energy use over that used in 1975 was achieved this year. In addition, a large electrical generating plant will be on-line at the geothermal site by mid-1987 to make NWC electrically energy

self-sufficient.

The Center is also concerned with how achieving its mission affects the land, air and water in this part of California and with legislation dealing with natural resources.

Capt. Burt continued that "Our scientists are also investigating what effect earthquakes and volcanic activity will have on the Naval Weapons Center. NWC wants to be ready for the inevitable and we want to be sure that the Center and the surrounding area survives with little inconvenience to both."

He concluded with "Kern County, you have every right to be proud of the very significant contribution you are making to the national defense and we at China Lake are proud to be a part of your team."

## Scouting plays important role for Ens. Ken Black

When Ens. Ken Black takes off the Navy khaki he frequently replaces it with another uniform, that of Cub Scout Pack 341's Cubmaster.

His duties as NWC Targets Maintenance Officer take up a lot of time, but there are always a few more hours in the day in which he can be involved with the young people of this community.

An Eagle Scout when he was a junior in high school, Ens. Black takes charge of 56 boys, six to 11 years of age and 30 adult volunteer leaders when he acts as Cubmaster.

Pack 341 took first place and won the President's Award when Indian Wells Valley scouts held their annual Scout-O-Rama last year. The pack also won third place honors in their class during the Ridgecrest Christmas Parade.

"If the kids are happy and bubble about Scouting at home, I don't have to recruit the parents; they want to be involved in activities their kids enjoy so much," commented Ens. Black. He noted they got 93 people, kids, parents, other family members and friends to take part in Project Community Pride this year.

"Scouting is changing; they've lowered the age kids can first get involved to six. Now we can get them into Boy Scouts about the same time they start school. Kids that age have a lot of spare time ... Scouting gives them a way to fill some of that time," he added.

When Ken Black talks about Scouting, he

talks about something that he rates right up there with his family and the Navy, two other big loves of his life.

After reaching the coveted Eagle Scout goal in high school, he notes there seemed, for a while, little for him left to do in Scouting. While assigned to NAS Lemoore a few years ago he was asked to take on Cubmaster duties on just a temporary, fill-in basis. That was just the beginning.

"Once my son got involved at Lemoore, it just seemed natural for me to come home from cruises and fall back into the Scouting routine," he said. Now, in addition to the Cubmaster spot, he works as a volunteer for the Brownie Troop in the area Girl Scouts program. What's more, the entire family is heavily involved.

His wife, Nancy, had been a Cub Scout Den Mother when he was Den Leader. His moving up to the pack position left Nancy without a den. Now, however, she is preparing to become a Brownie leader next year.

Their daughters, Wendy and Sandy, are involved in Brownies. Robert is a Cub Scout

and ready, next year, to become a Boy Scout.

What Ens. Black is looking forward to with great anticipation is being able to, one day, pin the Eagle badge, Scouting's highest honor, on his son. "He's got my enthusiasm and drive for Scouting and is really enjoying the experience," the NWC officer commented.

Last year Ens. Black was surprised when the District Executive presented him with an award as Cub Scout Recruiter of the Year. He got it, in part, for single handedly recruiting 38 youngsters into the Pack 341 program. It was part of his effort to expand Scouting, make it more attractive and get the kids involved at an early age.

For example, he'd really love to see the younger boys allowed to go on camping trips. These trips give them an early recognition of the benefits of the out of doors and what Scouting can offer them.

The Indian Wells Valley has been an excellent Scouting home for Ens. Black. He goes out of his way to praise the cooperation he's received from school officials and the Naval Weapons Center.

"Cdr. Erickson, head of the Aircraft Support Division, Capt. Allen, head of the Aircraft Department and all NWC's top management have been extremely cooperative and understanding of my Scouting duties," he said. "It really makes a difference to have that kind of support."

There is a busy Navy career for Ens. Black as well. As Targets Maintenance Officer he has the responsibility to keep a lot of different types of aircraft flying in support of the NWC mission.

Commissioned after more than 11 years in the Navy, Ens. Black recalls he was "a chief having a good time as a flight deck coordinator on the Enterprise when I found out I was getting commissioned. NWC was his first assignment as a commissioned officer following training in Florida.

One very happy day is only about two months away, the day he is no longer an ensign, but a lieutenant junior grade. "That's going to be a highlight of my Navy career," he commented.

NWC has been a good place to work and live. Ens. Black finds it easy to be busy with some community or family activity at least five nights a week. It's a load, but when he's working with the youngsters in Cub Scouts or Brownies, it's worth all the trouble.

Nonetheless, in mid-1988 it will be farewell to the desert and hello sea duty. And, as much as he like the work and the challenges at NWC, Ens. Black is looking forward to getting back to a carrier, back to the fleet Navy.



### Military News



**BUSY OFFICER** — Ens. Ken Black talks to Fred Mansfield about aircraft maintenance. Ens. Black can also be found, usually more than one night a week, working with Cub Scouts of Pack 341 and assisting the leaders of an IYW Brownie Troop.



**SIX MORE** — ABE 1 Fernando Juarez reenlisted for another six year hitch in the U.S. Navy recently. Lt. Brian Lewis administered the oath of enlistment to the first class petty officer now working in the NWC Aircraft Department's Operations Division. Petty Officer Juarez recently reported to China Lake after a tour on board the U.S.S. Carl Vinson.

## Juror rules are modified for military

State and local officials can no longer require an active duty service member to serve as a juror if the service member's commanding officer determines it would "unreasonably interfere" with the person's military duties or "affect the performance of the military mission or readiness," according to a public law that became effective on Nov. 14, 1986.

In the past, "some state judges and jury commissioners would not grant an exemption for military members, even though the member's commanding officer stated that the member's absence for jury service would impair the ability of the command to carry out its mission in support of the national defense," Secretary of the Navy John Lehman said in a Feb. 6, 1986, letter to Congress. The Navy represented the Department of Defense for the legislation.

This had occurred in many states despite state exemptions for firemen and policemen -- and even for members of the National Guard, Lehman pointed out.

Executive officers, department heads, surgeons, dentists, medics, pilots, air traffic controllers, aviation maintenance supervisors, production engineers, judge advocates and training instructors are some key military personnel who were called to jury duty.

Military personnel were already exempt from jury duty in federal courts. Most states exempted them until about a decade ago, when the U.S. Supreme Court held that "restricting jury service to only special groups or excluding identifiable segments playing major roles in the community cannot be squared with the constitutional concept of jury trial."

"A service member who is permitted to serve as a juror on a state or local jury will not be charged leave or suffer any loss of pay or entitlements during the period of such service," reads the provision Congress added to the Department of Defense Authorization Act of 1987.

spend your time and why; how to handle people who waste your time; how to overcome the start-stop syndrome and incomplete work assignments; how to say no when you mean no; how to handle your clerical needs when you don't have a secretary; and for procrastinators only: new techniques for GETTING IT DONE NOW.

Scope: This is the definitive course on personal productivity, covering topics from productivity "habits," to concentration and creativity, to overcoming interruptions, to delegation.

#### SOFTWARE LIFE CYCLE FOR PROGRAM OFFICE STAFF

**Open enrollment, Self-Study (Video tape), Training Center.** By Staff of Design Research Corp.

Background: DOD-STD-2167 is the software development standard that supercedes DOD-STD-1679A for all new starts in weapon systems containing software. DOD-STD-2167 stresses the software development process by laying out a "road map" of the activities, reviews, and documentation necessary to develop and support software in mission critical computer resources. The standard is a multi-Service standard encompassing the Navy, Marines, Army and Air Force; however, the standard is very heavily oriented to the Air Force methods of contracting for software development.

Scope: This course was video taped "live" at NWC on April 7-11, 1986. It was designed for program office staff and was not designed to be video taped. It was felt it would be an asset to NWC to have a set of video tapes that could be used by anyone wanting to learn about DOD-STD-2167. Much of the tape had to be edited to do away with discussions that digressed or information that is not relevant to the way the Navy does business. Many of the acronyms and organizations used in the class are Air Force specific and do not apply to the Navy. Consequently, the tapes may at times seem jerky or disjointed, but this was done to eliminate irrelevant information and make the best use of the viewers' time.

Format: 12 3/4" video tapes, each 60 minutes long.

#### TWELVE STEPS: THE VIDEO

**Open enrollment; Self-Study (VHS); Training Center.** By Gerald T. Rogers.

Intended Audience: Those who have compulsive behavior problems (such as alcoholism, drug addiction, overeating, gambling, etc.) who are no longer able to make choices regarding their lives.

Objectives: Millions have found help for compulsive behavior in a variety of support groups that offer guidance based on "12 steps," which are a collection of principles and life guidance, designed to restore freedom to an individual's life while also providing meaning and joy.

Video features thoughtful narratives by individuals from all walks of life who practice the 12 principles daily.

This uplifting presentation is designed to offer general understandings of the underlying principles of "12 steps" program as well as to encourage individuals and their families to participate in the many specialized support groups who utilize this self-improvement program.

To enroll in these classes submit Training Request & Authorization Form (NAVWPNCEN 12410/73) via department channels to Code 094.

## Start dates close for Northridge and Chico classes

The following classes' start dates are approaching and are being offered this spring for the Cal-State Northridge Engineering Program (bachelor's and master's degrees) and Cal-State Chico Computer Science Program (bachelor's and master's degrees).

For enrolling in these classes (other than Cerro Coso) submit an on-Center Training Request (NAVWPNCEN 12410/73) via department channels to Code 094. Registration will be held in class at the first class meeting. Deadline for enrolling is 10 calendar days before the starting date of the class. Although training requests will be accepted after the deadline, that date will be used to determine whether the class will be held.

#### CAL-STATE NORTHBRIDGE

##### ME 370: THERMODYNAMICS

January 26-May 18; Mondays; 1530-1830; Training Center. By Professor Tim Fox, CSUN.

Prerequisite: Physics 1a (Mechanics) and Math 6c (Calculus).

Text: "Fundamental of Classical Thermodynamics," Van Wylen and Sonntag, 3rd edition, Wiley, SI version.

##### ME 510B: SEMINAR IN ENGINEERING ANALYSIS

January 27-May 21; Tuesdays and Thursdays; 1600-1730; Training Center. By Bob Rockwell, Ph.D., NWC ext. 5597.

Prerequisite: Graduate standing.

Text: "Advanced Engineering Mathematics," Wylie and Barrett, McGraw-Hill, 5th edition.

##### ME 590A: ADVANCED TOPICS IN FLUID DYNAMICS -- INVISCID FLOW

January 26-May 20; Mondays and Wednesdays; 1600-1730; Training Center. By Ray Van Aken, NWC ext. 7483.

Prerequisite: Thermodynamics and Fluid Dynamics or consent of instructor.

Text: "Compressible Fluid Flow," M. A. Saad, Prentice Hall, 1985.

##### IE 520B: ADVANCED MATERIALS ENGINEERING -- COMPOSITES

January 27-May 21; Tuesdays and Thursdays; 1130-1300; Training Center. By George Hayes, Ph.D., NWC ext. 1038 and Craig Porter, Ph.D., NWC ext. 2824.

Prerequisite: AM 420A (Advanced Mechanics of Materials) and IE 427 (Mechanical Properties of Materials) or consent of instructor.

Text: TBA.

##### EE 567: RADAR SYSTEMS

January 26-May 20; Mondays and Wednesdays; 1600-1730; Training Center. By John Johnson, Comarco.

Prerequisite: Some probability and random processes or consent of instructor.

Text: "Introduction To Radar Systems," Skolnik, McGraw-Hill, 2nd edition, 1980.

Reference: "Introduction To Airborne Radar," Stimson, Hughes Aircraft.

##### EE 563A: ANTENNA ENGINEERING

January 26-May 20; Mondays and Wednesdays; 1130-1300; Training Center. By Bob Dinger, Ph.D., NWC ext. 1414.

## Undergraduate training news

Long-term training refers to the off-the-job training to which an employee is assigned on a full time basis and which consists of more than 120 consecutive working days. Such training may be accomplished in either government or nongovernment facilities.

The trainee receives full salary, tuition, shipment of household goods to the school site and back, and travel for the trainee and dependents to the school site and back. A three-for-one training agreement will be required from each successful applicant.

Eligibility to apply for undergraduate training includes all of the following: NWC employee for three years by September 1987; must be within two years maximum of completing desired undergraduate program; program of study must be in an area or related area defined by NWC as a critical need, in accordance with CPI 410.10 and NWC Instruction 12410.5L of Sep. 30, 1982.

At the undergraduate level there is a continuing need in the following areas: Computer Science (in a specialization other than that offered at NWC); Electrical Engineering; Acquisition/Contracting; Financial Analysis/Cost Accounting with A.D.P. background; Audio Visual

Production; Graphic Arts Design; Management Information Systems; Occupational Safety.

Eligible applicants will be ranked on the following relevant criteria: grade point average in previous college courses; past self development efforts; plans for utilization of requested training. As identified by Long Term Training Committee, the most highly qualified applicants will be selected according to the Long-Term Training Handbook (NWC IDP 3511 of May 83). A total of 20 NWC employees will be able to undertake under-graduate or graduate training each year, with the Corporate Planning Board deciding how many will fall in each category. A special application form is needed to apply for this opportunity. Applications may be obtained from Joan Telles (Code 094) in Room 212 of the Training Center. Counseling regarding the various programs is available from Steve Lee (Code 094) NWC ext. 2468. Please call for an appointment to assure counselor availability. Completed applications should be returned to the Reception Desk of the Personnel Department (Room 100 of Personnel Building) no later than 4:30 of March 2.

## English Writing Proficiency Test scheduled for Northridge students on Jan. 27

The English Writing Proficiency Test will be given on Tuesday, Jan. 27, at 9 a.m. Cal-State Northridge students should take the exam as soon as application for admission has been approved. This test must be passed before the student is granted unconditional status as a master's candidate.

Graduate students must attain unconditional status before earning more than 12 units of academic work acceptable toward the master's degree. The exam fee is \$12. Checks must be made payable to California State University Northridge (CSUN). Contact Cyndi Jones, NWC ext. 2648, to arrange to take the exam.

Text: "Antenna Theory And Design," Stutzman and Thiel, Wiley.

Reference: "Antenna Theory and Design," Elliot, Prentice Hall.

#### CAL-STATE CHICO

##### CSCI 320A: DIGITAL AND ANALOG TRANSFORM THEORY

January 27-May 22; Tuesdays and Thursdays; 1400-1515 (via satellite); Training Center. By Professor H. R. Luxenberg, CSUC.

Prerequisite: One upper division course in mathematics or consent of instructor.

Text: "Signals and Systems," Oppenheim, A. V. and Willsky, A. S., Prentice Hall Signal Processing Series, 1983.

##### CSCI 280: DIGITAL LOGIC DESIGN THEORY

January 27-May 22; Tuesdays and Thursdays; 1100-1215 (via satellite); Training Center. By Professor Ralph Hilzer, CSUC.

Prerequisite: CSCI 171: Computer Architecture, or the equivalent experience which has provided an introductory knowledge of logic gates, Karnaugh mapping, and assembly language programming. Texts: "Digital Logic and Computer Design," Mano, Prentice Hall, 1979. "The TTL Data Book From Texas Instruments."

##### CSCI 152: OPERATING SYSTEMS PROGRAMMING

January 27-May 22; Tuesdays and Thursdays; 0800-0915 (via satellite); Training Center. By Professor Paul Luker, CSUC.

Prerequisite: CSCI 151 (Data and Program Structures) or equivalent. Text: "Operating Systems Concepts," Peterson and Silberschatz, Addison, 1985. Note: This is a core course for the bachelor's degree in computer science and a foundation requirement for the master's degree program in computer science.

##### CSCI 397C-2: EXPERT SYSTEMS APPLICATIONS

April 4-5, April 25-26, May 30-31; Saturdays and Sundays; 0800-1600; Training Center. By Professor Ralph C. Huntsinger, CSUC.

Prerequisite: CSCI 151 (Data and Program Structures) or equivalent.

Text: "Building Expert Systems," Hayes-Roth, Waterman, and Lenat, Addison-Wesley, 1984.

#### GENERAL COMMENTS

1. Textbooks are available at bookstores locally.
2. Job-related courses other than those listed above or those offered under contract with the above schools must be approved on an off-Center Training Request (DD Form 1556) before registration if NWC is expected to pay for the training. For more information, contact Cecil Webb, NWC ext. 2648.

## Chico advisor to be on board

Dr. Orlando Madrigal of Cal-State University Chico will be on-Center Friday, Feb. 6, to advise current and prospective students in the external degree programs offered by the school.

Cal-State University Chico has external

degree programs in computer science which lead to bachelor's and master's degrees. Those who wish to see Dr. Madrigal are asked to make an appointment by telephoning Cyndi Jones, NWC ext. 2648.



# Personnel News & Notes

No. 80 / January 23, 1987

Naval Weapons Center, China Lake, California 93555 6001

## PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from appointable Department of Navy employees within the area of consideration and from eligible employees of attached activities who are permanently assigned to NWC unless otherwise specified in the ad. Appointable means career or career conditional employees, temporary employees with reinstatement or VRA eligibility and employees serving under Veterans Readjustment Appointments (VRAs). Alternative recruitment sources may also be used in filling these positions; vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements including minimum qualification requirements by the closing date. Applicants will be evaluated on the basis of experience, education, training, performance ratings and awards as indicated in the SF-171 along with any tests, medical examinations, performance evaluations, supplemental qualification statements and/or interview that may be necessary. Career ladder promotions are subject to satisfactory performance and cannot be guaranteed. APPLICATION PROCEDURES: Candidates must submit a current SF-171, along with a supplemental qualifications statement (if required), and should submit a copy of their latest Annual Performance Evaluation if relevant to the vacancy. If a supplemental statement is not required, candidates are encouraged to submit additional information which then addresses the specific Knowledge/Skill/Abilities (KSAs) cited in the ad. Write the position title/series/level and announcement number on the SF-171 and all attachments. Be sure that your forms are complete and accurate since you cannot be rated on missing data nor will you be contacted for additional information. Be certain the SF-171 and supplement are dated and have original signatures in ink.

All applications will be retained in the vacancy announcement file; they will not be returned or filed in official personnel folders. Applications and supplements are accepted at the Reception Desk, Room 100, Personnel Department, 505 Blandy. Ads close at 4:30 p.m. on Friday, one week after the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. The Naval Weapons Center is an Equal Opportunity Employer; selections are made without discrimination for any nonmerit reason.

#### No. 25-001, Procurement

Clerk/Procurement Assistant (Typing), GS-II06-4/5/6/7, Code 25242 - Incumbent is responsible for providing clerical support in the form of typing (utilizing Xerox 860 word processor), filing, compiling data, maintaining logs, and performing follow-up on action item suspense dates for a wide variety of contractual actions. Incumbent maintains instructions and FAR Clause Books, reviews correspondence and suspense action items, and receives visitors and telephone calls. Uses a wide variety of guidelines including DOD and Navy instructions, Contract Division Operating procedures on Federal Acquisitions Regulations Books. Job Relevant Criteria for Clerk, GS-4/5:

Knowledge of correspondence regulations and contractual terminology; ability to meet with people effectively and prioritize work under heavy workload conditions. At the assistant level, the incumbent assists Contract Specialist in the Administration of complex contracts including monitoring performance and negotiating and writing modifications. Reviews contract files for proper format, documentation, and input into automated information processing systems. Maintains extensive statusing of action items for the section. Job Relevant Criteria for Assistant, GS-6/7: Knowledge of general business practices; ability to read and correctly review contracts; organize file documentation; prioritize and process in an orderly manner multiple tasks simultaneously. Procurement Clerk/Assistant has promotion potential to GS-7, however not guaranteed. Status eligibles may apply.

#### No. 25-002, General Supply

Officer, DP-2001-3, Code 253 - Incumbent serves as the Head, Supply Support Division. The division is comprised of 6 civilian personnel. Functions include supervision of quality assurance to oversee contractor performance of supply operations (receiving, delivery, warehousing, stock control, custody

storage, imprest fund). Incumbent will provide the principal review and interface with the contractor and contracting officer to ensure that all contract services meet NWC requirements. Household goods and claims investigation are also primary areas of responsibility. Incumbent will play a key role in supply transition to STAFS. Job Relevant Criteria: Knowledge of Supply Operations; knowledge of support services contracts; knowledge of quality assurance principles; ability to analyze; ability to communicate orally and in writing; ability to supervise; knowledge of and willingness to support the EEO program. Nation-wide announcement closes 2-15-87.

#### No. 39-004, Electronics Engineer,

DP-855-1/2/3, Code 3926 - This position is located in the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems with navigation aids, such as the Global Positioning System. The incumbent will design digital circuits and select hardware for procurement to expand the capabilities of the inertial test laboratory and will provide hardware support in rehosting test software on a DEC VAX 11-750 from a HP-1000. Job Relevant Criteria: Knowledge of fundamentals of digital design; hardware and software fundamentals of minicomputers; microprocessor-based systems. Abilities to organize and prioritize tasks; to function effectively as a member of a technical team; to communicate effectively both orally and in writing. Promotion potential to DP-3.

#### No. 62-004, Supervisory Inter-

disciplinary, General/Electronics/Mechanical/Aerospace Engineer/Physicist/Operations Research Analyst, DP-801/855/861/1310/1515-3, Code 62C1 - This position is Head of the Air Projects Office, Range Department. The incumbent is responsible to the Head, Projects Office for technical

management, design coordination, supervision, evaluation and documentation of all air range tests by the T&E Directorate. The office applies a multi-disciplinary engineering approach to these programs which consist of determining the technical performance, properties and characteristics of aircraft weapon systems under development by NWC and other organizations that utilize the Center's range facilities. The incumbent directs both the financial and personnel resources of the Air Projects Office to ensure efficient, expeditious and economic accomplishment of testing programs on complex airborne weapons systems. Job Relevant Criteria: Knowledge of the engineering, state-of-the-art, applicable to airborne weapons systems and the requirements testing these systems levy upon the ranges, project aircraft, test instrumentation and facilities; knowledge of and willingness to support NWC EEO goals and policies; ability to work effectively with personnel at all levels ability to communicate effectively both orally and in writing. New supervisors will be required to serve a one-year supervisory probationary period. Promotion potential to DP-3.

#### No. 62-005, Engineering

Technician, DT-802-1/2, Code 6221 - The incumbent functions as an Air Controller during the conduct of RDT&E flight tests and works in a fluid real-time environment which requires the precise positioning of test aircraft on predetermined flight trajectories. Job Relevant Criteria: Working knowledge of geometric functions; able to work in Lambert and geodetic grids and interpolation of magnetic, grid, and true headings; and general knowledge of ordnance that is to be expended, location of instrumentation and its capabilities on the ranges. Status eligibles may apply. Promotion potential to DT-3.

#### No. 64-160, Engineering

Technician, DT-802-1/2/3, Code

6414 - The incumbent provides support in the area of testing of parachute related systems. This includes test conduction design, test cost estimating, data retrieval, storage and analysis. Coordinates scheduling of test events with other organizations, keeps track of data retrieval, logs on computer events and test costs. One year of college level courses is desirable. Job Relevant Criteria: Knowledge of safety requirements, especially in explosive handling particular to parachute testing; knowledge of program budget and program planning documents and the directives and guidelines that affect them is desirable; ability to use a Macintosh PC; ability to bend, lift and climb. Must be willing to travel to remote test sites on Center and work in adverse climate conditions. Promotion potential to DT-3.

#### No. 62-006, Supervisory Inter-

disciplinary, (General/Aerospace, Electronics/Electrical/Mechanical) Engineer/Physicist, DP-801/861/855/850/830/1310-3, Code 6222 - This is a high visibility position as head of the thirteen-person Operations Section in the Track Operations Branch of the Range Department. It is at the SNORT Facility and provides opportunity for the application of both management and technical abilities. The successful candidate will lead a highly skilled team in the design and execution of a variety of dynamic high priority assignments. Disciplines involved include range engineers, ordnance repairmen, photographers, and electricians. Personnel interfaces with contractors and with military personnel are routine. Job Relevant Criteria: Knowledge of (or willingness to learn) the fundamentals of ordnance handling, electricity, and photography is required. Ability to work effectively with personnel at all levels; ability to communicate effectively both orally and in writing. Must be willing to support NWC EEO goals and policies. New supervisors will be required to serve a one-year supervisory probationary period.

## SECRETARIAL OPPORTUNITIES

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against 4 or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for Branch Secretary will be rated on elements 1/2/3/5/8; Division Secretary applicants will be rated on elements 1/2/3/4/7/8/9; Program Office Secretary applicants will be rated on elements 1/2/3/4/5/8/9; and Department Secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

#### No. 24-003, Secretary (Typing),

GS-318-4/5, Code 243 - Security on-Center and off-Center personnel. Division Secretary, Safety & Security Department. Provides secretarial support to the Security Division Head. Position

requires considerable interaction with on-Center and off-Center personnel. Knowledge of IBM PC desirable. Promotion potential to GS-5.

## REASSIGNMENT OPPORTUNITIES

This column is used to fill positions through reassignment only. For this reason, the Reassignment Opportunity Announcements are separate from the Promotion Opportunities column in the Rocketeer. Applications will be accepted until the date stated in the announcement. Employees whose work history has not been brought up to date are encouraged to file an SF-171 or 172. All applicants must meet minimum qualification requirements established by the Office of Personnel Management. Information concerning the recruitment and placement program and the evaluation methods used in these reassignment opportunities may be obtained from Personnel Management Advisors (Code 096 or 097). Applications should be filed with the person whose name is listed in the announcement. The Naval Weapons Center is an Equal Opportunity Employer.

No. 35-075, **Interdisciplinary, Electronics Engineer/Computer Scientist/Mathematician/Physicist, DP-855/1550/1520/1310 - 1/2/3, Code 3554** - Incumbent will assist in the design, development and integration of a standard data communications network for EWTES. Primary responsibilities will be associated with the development of microprocessor (68000 family) based digital interfaces. First forty work schedule. To apply for this position, submit an updated SF-171 to B. R. Ennen, Code 35543, NWC ext. 3571/208.

No. 39-003, **Interdisciplinary, Physicist/Electronics Engineer, DP-1310/855-3, Code 3926** - This position is located in the Inertial Development Branch, Weapons Development Division, Weapons Department. The Inertial Development Branch develops, tests and evaluates inertial sensors and inertial systems. It also functionally integrates inertial systems with navigation aids, such as the Global Positioning System. The incumbent will use the existing technology base to develop low-cost strapdown inertial

measurement units for tactical missiles. Knowledge of inertial guidance fundamentals; hardware and software fundamentals of tactical missile-borne computers is required. Requires the ability to organize and prioritize tasks; to effectively lead a technical team; to function with a minimum of supervision; to communicate effectively both orally and in writing. Submit SF-171 to John Freeman, Code 392, NWC ext. 2922.

No. 64-159, **Mechanical Engineer, DP-830-3, Code 6411** - The branch is engaged in the design and testing of aerodynamic decelerator systems for personnel and missile applications. The incumbent would serve as Project Engineer and Design Engineer on programs funded by NAVAIR, NAVSEA, and NASA. Performance of these duties will require the incumbent to acquire a thorough working knowledge of parachute design principles. Mechanical design skills are also a requirement for the design of test vehicles and hardware for testing of recovery systems. To apply for this position, send your updated SF-171 to Russ Bates, Code 6411, NWC ext 3664.

## Dates scheduled to enroll in FERS' thrift savings plan

The Federal Employees Retirement System (FERS) Law established the Thrift Savings Plan to begin on January 1, 1987.

Since there was a delay in appointing the Thrift Savings Board, the date for thrift savings plan participation has been changed. The latest word is that there will be three "open seasons" for enrollment in the thrift savings plan during 1987. The planned "open season" dates are Feb. 15 to April 30; May 15 to July 31; and Nov. 15 to Jan. 31, 1988.

Enrollments during the period Feb. 15 through Mar. 31 will be effective April 1. All other enrollments will be effective the beginning of the first pay period following the date of enrollment.

Because of the delay in the starting date of the thrift savings plan, provisions have been made for additional contributions for the period April 1 through Sep. 30. The following is a result of this change:

### FERS EMPLOYEES:

Between April 1 and Sep. 30, 1987 FERS employees can contribute 0-15% of salary with a double Government match.

-- \$2 Government contribution for \$1 of employee contribution of 1st 3% of salary.

-- \$1 Government contribution for \$.50 of employee contribution of next 2% of salary.

-- Automatic 1% Government contribution.

Starting Oct. 1 contributions will revert to the original thrift plan provisions FERS employee can contribute 0-10% of salary.

-- \$1 Government contributions for \$1 employee contribution of 1st 3% of salary.

-- \$.50 Government contribution for \$1 employee contribution of next 2% of salary.

-- Automatic 1% Government contribution.

**CIVIL SERVICE RETIREMENT SYSTEM (CSRS) EMPLOYEES:**

Between April 1 and Sep. 30 CSRS employees can contribute 0 to 7% of salary with no Government match, and no automatic 1% Government contribution.

On Oct. 1 CSRS contributions will revert to the original thrift plan provisions, 0-5% of salary with no Government match, and no automatic 1% Government contribution.

There will be an automatic 1% lump sum Government contribution made to the thrift fund for all employees automatically converted to FERS on Jan. 1, 1987. The 1% will cover pay earned during the period Jan. 1, 1984 to April 1, 1987. More information will be furnished as it becomes available.

If you have any questions, contact Virginia Spille at NWC ext. 2018 or 2592.

## Applications for long-term graduate and undergraduate training are now being accepted by Code 094

Applications for long-term graduate and undergraduate level training (off-Center training for a period of more than 120 consecutive days) for 1987-88 are invited from interested NWC employees.

To be eligible for long-term training, an individual must have been employed at NWC three years at the time studies begin.

Long-term training may be considered to meet any of the following objectives:

- (1) To update an employee's knowledge where there has been an appreciable lapse of time since the initial academic preparation for employment and subsequent in-service training.
- (2) To provide a technically oriented employee with tools of management when job responsibilities have or will become predominantly managerial in nature.
- (3) To expand an employee's knowledge and background within his or her occupational specialty, whether he or she occupies a technical or nontechnical position, by providing an opportunity to learn about significant developments or breakthroughs as they pertain to the mission of the Center.
- (4) To acquire knowledge of some aspects of another occupation as they relate to an employee's present occupation where responsibilities tend to be interdisciplinary or multidisciplinary in nature.
- (5) To provide for educational opportunities stressing motivational and human relations factors that contribute to effective technical and managerial competence.

Both graduate and undergraduate programs are supported by NWC. Applications will be considered in any area of study that relates directly to NWC program requirements. The primary criteria followed in determining when long-term training is used in lieu of after-hours, part-time, or short-term programs are as follows:

- (1) The new knowledge and skills required of the employee, either in present or planned career assignments, necessitate a comprehensive, concentrated program of study.
  - (2) The time span for acquisition of new skills and knowledge is such that an accelerated study program of long-term, full-time duration is required.
  - (3) It is determined that the academic superiority of the institution selected is such that it is clearly in the best interest of the government that the employee attend the selected educational institution.
  - (4) There is no educational institution or academic program in the local or community area for part-time or after-hours training.
- Office of Civilian Personnel Management funds are available to cover the trainee's travel allowances to and from the school (one round trip), tuition and fees required for enrollment, and payment for moving his or her immediate family and household goods to the school and back to the Center. NWC will be responsible for the trainee's salary.

The following areas of critical need have been established by Center management: Electrical Engineering (particularly systems, microelectronics, radio frequency technology, digital communications, software, electronics, modern controls, radar systems, avionics, and semi-conductors); Mechanical Engineering (analytic mechanics, mechanical design); Aeronautical Engineering; Chemistry (advanced analytic techniques, polymer chemistry); Physics (particularly optical science, microwave, semi-conductors and detonation physics); Material Science (composites); Computer Science (in a specialization other than that offered at NWC); Reliability Engineering; and Applied Mathematics.

At the undergraduate level, there is a continuing need in the following areas: Engineering (particularly Electronics); Computer Scientists (in a specialization other than that offered at NWC); Physics; Mathematics; Acquisition Contracting; Financial Analysis/Cost Accounting with ADP background; Audio Visual Production; Graphic Arts Design; Management Information Systems; and Occupational Safety Specialists.

However, programs of study at both the graduate and undergraduate level are not limited to these areas.

Requests for extensions for fellowships that have previously been approved will be considered by the Long-Term Training Committee. All personnel should include in their extension request a statement from

the applicant citing reasons for the extension, a record of the grades received to date, future planned courses both during the approved period and the period requested in the extension. An alternative course of action (LWOP, on-Center work, reapplying at a later date) should be provided in the event that the extension is not approved. All extension requests require a department endorsement (either positive or negative) in order to be considered by the Long-Term Training Committee.

Further details of the long-term training program are provided in NAVWPNCENINST 12410.5L of September 30, 1982, and in the Long-Term Training Handbook. Both sources are available from department offices or from the Training Center.

The long-term training application process has been streamlined since issuance of the handbook, so applicants are advised to contact Code 094 (Training Center, Bldg. 947, Rm. 212) for application forms. The deadline for submission of applicants for programs commencing in the fall semester or fall-winter quarter of 1987-88 is March 2.

Counseling regarding the various programs is available from Steve Lee, Code 094, NWC ext. 2468. Information on application procedures is available from Bill Bethke, Code 094, NWC ext. 2349.

Please call for an appointment to assure counselor availability.



## Personnel Development Opportunities

### SPECIAL SESSION FOR SECNAVINST 5216.5C

February 19; Thursday; 0900-1100; Training Center. By Odessa Newman, Code 0821.

Scope: A 2-hour session to answer special questions about the use of SECNAVINST 5216.5C, Department of the Navy Correspondence Manual. The session will be open to all who write or review Navy memos and serial letters, and will be conducted on a drop-in basis with no paperwork required.

### ASSERTION TRAINING FOR SECRETARIES

March 25; Wednesday; 0730-1630; Cerro Coso College, Room 145. By P. Solberg.

Scope: Designed primarily for secretarial staff to assist in the development of positive assertion and communication skills within their specific areas of interaction.

Deadline: March 11.

### HOW THE TECHNICAL CODES DO BUSINESS

February 17; Tuesday; 0800-1600; Training Center. By Charlie May.

Objectives: The intent of this course is to better acquaint NWC support codes with the terminology, methods of operation, and problems and constraint of Center technical codes. The course should be useful to new NWC employees to help orient them to the NWC environment.

Scope: Gives an overview of the development, production, and Fleet-support phases of the operations of the technical codes, and makes no attempt to cover specific areas in depth. Course material should be useful for identifying specific areas that students may want to learn more about in follow-up courses.

Deadline: February 3.

### INTRODUCTION TO MICROSOFT EXCEL

February 18 and 19; Wednesday and Thursday; 0800-1600; Training Center. By Al Goettig, Code 1201.

Prerequisite: Familiarity with spreadsheets.

Intended Audience: Beginning users of Macintosh computers.

Scope: You will learn to operate Microsoft EXCEL software on the Macintosh computer. Topics include introduction, EXCEL's syntax, spreadsheets, formatting, linking spreadsheets, tables, using EXCEL's database functions, using EXCEL's charting functions, using Switcher, embellishing EXCEL charts in MacDraw, shortcuts, pitfalls, introduction to macros.

Note: Each student must supply a 512K Macintosh with external drive by February 17 to use for the duration of the class. Bring EXCEL software and documentation to class, if available.

Deadline: February 3.

### TELEPHONE TECHNIQUES

March 24; Tuesday; 0800-1130; Training Center. By Wanda Holladay.

Intended Audience: All phone users of NWC.

Scope: Enjoy a short film, classroom instruction, and participation with others in a class that will help you create an image of business-like efficiency. Clues to saving time and keys to reducing telephone stress will also be given.

Deadline: March 10.

### BASIC NAVAL CORRESPONDENCE

March 5; Thursday; 0800-1600; Training Center. By Odessa Newman.

Intended Audience: Typists new to the Navy; however, the course will provide a good review for anyone who types naval correspondence.

Scope: Focuses on the policies and procedures for typing naval letters and memorandums. The course also highlights Chapter 1 (Naval Writing Standards) to the Department of the Navy Correspondence Manual. Please bring a Correspondence Manual if you have one.

Deadline: February 19.

### INTRODUCTION TO PROPELLANTS, EXPLOSIVES, AND INITIATING DEVICES

February 23-25; Monday-Wednesday; 0730-1130 morning session, or 1230-1630 afternoon session; Training Center. By John R. Coulson, Consultant.

Intended Audience: Handlers of explosive initiation devices to alert them to the safe handling necessary to prevent premature initiation.

Scope: Presents the practical and theoretical data concerning initiation devices. The coverage is complete from stab-actuated initiators to exploding-wire and foil initiators. Discussion of transfer of detonation and effects of the complete reaction on the final output is developed. Design fundamentals and methods of function pertaining to primers, detonators, initiations, delay elements, leads, boosters, main charges, and specialized explosive elements such as detonating cords, linear shaped charges, valves, and motors are presented. Safe handling will be stressed during each section. Methods to minimize the effects of accidental initiation will be stressed by the use of protective equipment, shields, barricades, and handling procedures.

Deadline: February 2.

### DEVELOPING CONTRACT WORK STATEMENTS

February 23-27; Monday-Friday; 0730-1130; Training Center. By Richard Sawyer, Consultant.

Intended Audience: Project officers, contracting officers, and other personnel performing job analysis and preparing work statements.

Objectives: In this course you should learn to explain the functions of the work statement, develop a work breakdown structure to identify contractor tasks, develop measures of quality to evaluate contractor performance, and develop a surveillance plan for contractor performance.

Scope: Topics include the responsibilities of project and contracting personnel, job analysis approach, writing the work statements, quality assurance procedures, and sample work statements.

Deadline: February 2.

### ASSISTING THE TECHNICAL USER

February 23 or 24; Monday or Tuesday; 1230-1600; Training Center. By Richard Sawyer, Consultant.

Intended Audience: Contracting and Small Purchasing personnel.

Scope: Topics include methods to help technical people get what they need, insight into the ways in which scientists and engineers think about contracting, and specific tools and techniques that can be used to improve the relations between user and buyer. The class includes lecture, examination of a case, and group discussion.

Deadline: February 2.

### ADVANCED LOTUS 1-2-3 TECHNIQUES

February 23-March 6; Monday, Wednesday, and Friday; 0900-1150; Cerro Coso Community College, Room 122. By Clay Witherow.

Prerequisite: LOTUS 1-2-3 or equivalent experience.

Scope: Development of MACRO (keyboard capture) techniques, advanced LOTUS functions, and file import/export from and to other systems. Work is done on IBM-compatible PCs.

Note: Students are required to register with the college upon approval of their on-Center training requests. There will be no fee for approved students.

Deadline: February 9.

### FILES IMPROVEMENT AND RECORD DISPOSITION

February 24-26; Tuesday-Thursday; 0800-1130; Training Center. By Pam Rivera.

Scope: This class is designed to help record keepers understand and apply basic rules related to filing. Topics include standard filing procedures; eliminating needless filing; cross referencing; indexing; and using filing aids such as color codes, labels, file guides, and recommended file folders. Use of the Navy Standard Identification Code; use of microfilming, identification of record material, disposal of records; and use of the Federal Records Center for storage will be discussed.

Deadline: February 10.

### ADA PRACTICAL PROGRAMMING

March 2-16; Monday and Thursday; 0730-1630; Trailing 1414A, Michelson Laboratory. By R. David Pogge.

Scope: Covers all the features of the Ada programming language with emphasis on the correct use of those features. The classroom time is evenly divided between live lectures (videotapes will not be used) and exercises that show the student practical applications of Ada programming techniques. Students will use a (validated) DEC Ada compiler.

The 40-hour course consists of 5 days spread over a 2 1/2-week period. Classes are on Mondays and Thursdays to allow time for homework. Twenty hours of assignments outside of class are required.

No previous knowledge of Ada is required, but you must have had some experience in one or more high-level programming languages. You must have an account on VAX B (or another system with an Ada compiler) and you must know how to use the VMS operating system and text editor.

Deadline: February 17.

### INTRODUCTION TO UNIVAC FOR BEGINNERS

March 23-27; Monday-Friday; 0730-1130; Trailer 1414A, Michelson Laboratory. By Barton & Mullett.

Prerequisites: User ID and password for UNIVAC computer and pass for Michelson Laboratory.

Objectives: You should learn about UNIVAC EXEC commands, program and data files, file utilities, RUN initiation, how to print files and print tapes, and log-in on the computer.

Note: There is no programming involved in this course. Course instruction includes written exercises and hands-on lab work. Limit of 12 students per class.

Note: This class plus the 1100 CTS class is equivalent to the course "1100 Executive Control Language and Demand User."

Deadline: March 9.

### PRODUCTION PROCESS

February 19 and 20; Thursday and Friday; 0730-1130; Training Center. By Charles Frederickson.

Scope: Topics include introduction/overview, technical data package/contract requirements, manufacturing planning, vendor/supplier control, incoming inspections, parts fabrication, material control, assembly level assembly/inspection, assembly level test, unit/group/set level assembly/inspection, unit/group/set level test, physical/functional audit and review, preservation/packaging/packing/storage/shipping, calibration system, training/certification-internal/supplier evaluation audits, nonconforming material disposition, nonconforming material corrective action, data information system, change control/status accounting.

Deadline: February 6.

### TIPS FOR NEW GOVERNMENT TRAVELERS

February 20; Friday; 0800-1600; Training Center. By G. Schneider.

Scope: The objective of this class is to make you more comfortable about traveling alone by teaching you how to deal with airlines, car rental agencies, hotel staffs, etc. There will be specific information on traveling from NWC using the Travel Office and filling out all applicable forms and vouchers. The discussion will include what to wear, what to carry, and what to pack; how to make reservations, especially for business travel; survival tips for airports, hotels, and car rental agencies; tips on tipping and traveling to Washington, DC (including how to use the subway transportation system); tax rules pertaining to business travel; and specifics on international travel, as time permits.

Deadline: February 6.

### SELF-STUDY

#### ELEMENTARY ALGEBRA (25 hours)

Open enrollment, Apple II+, Training Center.

Scope: Comprised of 9 packages, one for each of the following topics: signed number operations; exponents, roots, and radicals; polynomials; factoring; equations and inequalities; quadratic equations; rational expressions; graphing lines on a plane; and systems of equations.

#### GETTING THINGS DONE

Open enrollment, Self-Study (Audio-cassette), Training Center. By Ed Bliss.

Objectives: In this course you should learn the psychology behind where you really