

**GOOD TIME HAD BY ALL** — Attendance totaled nearly 600 at the annual ice cream social sponsored by the Protestant Women of the Chapel (PWOC). Youngsters and adults loaded up on homemade ice cream, pies and cakes, while entertainment was provided by a Dixieland band, led by Jim McClain, and by members of the cast of the CLOTA production of "Oklahoma!" who sang songs from the musical that opens tonight. A little more than \$1,200 was raised for the financial assistance of various missionary projects supported by the PWOC. — Photo by PHAN Greg Hogan

### Rec. Services schedules variety of activities for young people

While summer is winding down, the Recreation Services Department is offering a number of activities for local youths before school begins in September.

A trip to Disneyland is planned Saturday, Aug. 13, for boys and girls 12 to 17 years of age. Departure time is 6 a.m. from the Youth Center and return is scheduled for 9:30 p.m. at the same place. Fee for the trip is \$20, and covers admission and transportation to and from the park.

The trip is limited to 12 young people. A parent permission slip is required for each youngster who signs up for the trip. If 12 people have not signed up by Thursday, Aug. 11, the trip will be cancelled.

Youth tennis clinics will be taught by Michelle Archuleta, who will provide instruction on forehand, backhand, serve, footwork, and tennis rules at the King Street tennis courts beginning Aug. 1 and 2.

Children between the ages of 8 and 10 will meet Tuesday and Friday for three weeks from 7:45 to 9:15 a.m.

A class for beginners, between the ages of 11 and 17, will meet Monday through Friday

from 7:45 to 9:15 a.m., and there will be a class for intermediate players of the same age that will meet following, from 9:15 to 10:45 a.m.

Another class for the same age group will meet from 9:15 to 10:45 a.m. on Tuesday and Friday, beginning Aug. 2. This class is for both beginners and intermediate players.

Fee for these tennis lessons is \$10 per person per session.

A camping class, designed to equip the students with knowledge and experience about camping in the wilderness, is scheduled on Tuesday and Thursday, (Aug. 12 to 25) from 9:45 to 11:15 a.m. at the Youth Center. Subjects to be covered will include how to pitch tents and build campfires.

The \$25 fee charged for this class will help to pay for the use of camping equipment, meals, instruction, and a weekend campout on Aug. 27 and 28 at Kennedy Meadows.

Kelly McCammon is in charge of the camping class and the outing. Along with holding a bachelor's degree in recreation, she is an experienced camper, and is used to taking young people on weekend outings. Parent permission slips are required for this trip.

Registration for all of the activities and classes mentioned is being handled at the Community Center Monday through Friday from 8 a.m. to 4 p.m.

### How times flies...

This week's "Remember when..." column personality is John Brooks Talley, Jr., a supervisory engineering technician employed in the Tracking Section of the Range Department's Range Instrumentation Support Division.

He supervises a crew whose members operate a mounted mobile camera unit.

Talley is a member of both the John M. Armitage American Legion Post and the Lloyd E. Frost VFW Ship in Ridgecrest, in addition to being active in the Full Gospel Business Men's Fellowship.

He is becoming more involved as a cameraman with television productions. During the coming month, he and other members of the TV crew from the Foursquare Church in Ridgecrest will go to Long Beach to produce and film a show for the nationwide "Praise the Lord" network.

Talley's favorite time of the year is reported to be the opening day of fishing season at Lake Crowley — something he reportedly prepares for all year.

This week's "Remember when..." column personality has three grown children (a son, Johnny, and daughters Jeanie and Jill) all of whom live in Ridgecrest, as well as three grandchildren.

### Contract is awarded; renovation of COM will begin on Aug. 4

A contract has been awarded and the long-awaited renovation of the 38-year-old Commissioned Officers' Mess (COM) will be getting underway soon.

The COM will maintain its regular hours of operation through Wednesday, Aug. 3. After that, however, what remains of the summer season activities will be restricted principally to the swimming pool and the barefoot bar.

What is scheduled is a general interior upgrading of the COM, as well as installation of a two-stage evaporative cooling system and steam-heated forced air heating system that will utilize the same ducts. In addition, there will be a major rehabilitation of the galley, and lowering of the ceilings in the Mojave Room, which also is to get a new vinyl flooring.

Repainting and the installation of a new floor finish, carpeting and wall covering all are slated for the Sierra and Chart Rooms, as well as for the solarium, while the galley and scullery will get new terrazzo flooring.

The work is to be done at a cost of \$421,500 under a contract awarded to Glasgow Construction, Inc., of Laguna Hills, Calif., the same firm that is handling construction of the new Housing Division Building on East Inyokern Road, near the Traffic Circle.

### Color film about spacecraft shot to Venus to be shown

A color motion picture film about a space probe mission to the planet Venus will be presented at 7:30 p.m. Monday during the monthly meeting of the China Lake Astronomical Society (CLAS).

The meeting, which is open to the public, will be held in the conference room of the Ridgecrest Library, 131 East Las Flores St.

In the spring of 1978, the National Aeronautics and Space Administration (NASA) launched two spacecraft bound for Venus. The first went into orbit around the cloud-shrouded planet, while the second carried five atmosphere entry probes.

The film, entitled "Venus Pioneer," which will be shown at Monday night's CLAS meeting, tells of the success of this mission.

**Looking For Equipment?**

Call the **Equipment Locator Service**  
(Code O2A22) at ext. 2101. We're here to satisfy your equipment needs!



**SUPER SALESMAN** — A suspicious Aunt Eller (Elena Vitale) glares at Ali Hakim (Leonard Hedges-Goettl), who is peddling his wares, as Laurey (Rebecca Garcia), at left, and Ado Annie Carnes (Nancy Weikal), at right, look on during a rehearsal for the Community Light Opera and Theater Association's presentation of "Oklahoma!" This popular musical will be presented on July 29 and 30, and Aug. 3, 4, 5 and 6 at the Burroughs High School lecture center. Curtain time is 7:30 each evening, and the price of admission is \$4.50 for the general public and \$3.50 for senior citizens, students, and enlisted military personnel. — Photo by PH2 Dennis Mugglin

MOVIES

(G) ALL AGES ADMITTED  
General Audiences  
(PG) ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) RESTRICTED  
Under 17 requires accompanying parent or adult guardian

Regular starting time 7:00 p.m.

FRIDAY, MONDAY	JULY 29, AUGUST 1	"48 HOURS"
		Starring Nick Nolte and Eddie Murphy (Comedy, rated R, 97 min.)
SATURDAY	JULY 30	"LET'S SPEND THE NIGHT TOGETHER"
		Starring The Rolling Stones (Concert, rated PG, 91 min.)
SUNDAY	JULY 31	"THE BORDER"
		Starring Jack Nicholson and Harvey Keitel (Drama, rated R, 109 min.)
TUESDAY	AUGUST 2	Matinee, 2 p.m. "ALICE IN WONDERLAND"
WEDNESDAY	AUGUST 3	"THE LORDS OF DISCIPLINE"
		Starring David Keith and Robert Prosky (Drama, rated R, 103 min.)
THURSDAY	AUGUST 4	Matinee, 2 p.m. "THE GREAT MUPPET CAPER"
		Starring Charles Grodin and Diana Rigg (Adventure, rated G, 98 min.)

## Weekend Roundup

The Chief Petty Officers' Club will be open for dining and dancing this evening, with the local country-western band, "Easy Lovin," providing the music beginning at 9.

Dinner, which will be served from 6 to 9 o'clock, will feature prime rib and Icelandic cod. The CPO Club also will be open for dinner tomorrow from 6 to 9 p.m. with various seafood dishes at special prices.

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The Commissioned Officer's Mess will offer a fresh fish dinner this evening, in addition to selections from the regular menu, from 6 to 9 o'clock.

Next Wednesday, Aug. 3, will be the last day the COM will be open to the public for lunch and dinner, before remodeling begins. The swimming pool and "barefoot bar" will remain open.

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A country-variety musical combo, "The Renegades," will be here for their initial engagement tonight at the Enlisted Mess from 9 until 1:30 a.m. The dining room will be open from 6 to 9 p.m. Patrons may choose the "surf 'n turf" special, or items from the regular menu.

### Beginning ceramics class now being held; continues to Aug. 20

NWC Recreation Services is sponsoring a beginning ceramics class on Thursdays from 9 to 11 a.m., through Aug. 20. Students will learn basic ceramic-making techniques, as well as airbrushing, dry brushing, and the use of pastels for decoration.

Students must furnish their own supplies and pay a registration fee of \$10 each for military personnel and their dependents, and \$12 for DoD civilians and their dependents.

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From: \_\_\_\_\_

PLACE STAMP HERE

To: \_\_\_\_\_



July 29, 1983  
Vol. XXXVIII, No. 30  
NAVAL WEAPONS CENTER  
CHINA LAKE  
CALIFORNIA

## Capt. Flower to relieve Capt. Hollandsworth as Skipper of VX-5 during change of command ceremony on Aug. 4



**Capt. R. P. Flower**  
**Tech Director post at NOSC goes to Hillyer**

A new assignment for Robert M. Hillyer, former NWC Technical Director, was announced last week by Admiral John G. Williams, Jr., Chief of Naval Material.

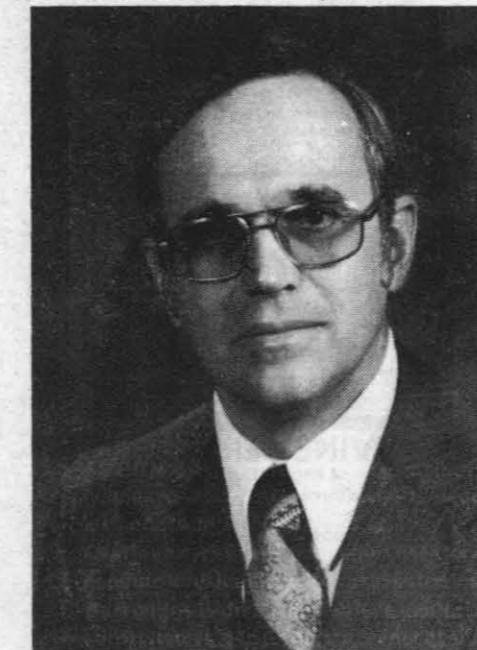
Hillyer, who has been serving as Director of Navy Laboratories since he left China Lake in June 1981, will become Technical Director of the Naval Ocean Systems Center (NOSC) in San Diego.

Admiral Williams stated that Hillyer will assume his new position immediately and report to NOSC full time about the end of this year, after a nationwide search has been completed to select his successor as Director of Navy Laboratories.

Until Hillyer arrives in San Diego, Douglas Wilcox, who is the Assistant Technical Director of the Naval Ocean Systems Center, will be the acting Technical Director at NOSC. Old timers at China Lake will remember Wilcox as head of the Underwater Ordnance Department at the Pasadena Annex of the Naval Ordnance Test Station in the late 1950s.

Dr. Howard Blood, who has been the

(Continued on Page 3)



**Robert M. Hillyer**

A change of command ceremony during which Capt. P. F. Hollandsworth will be relieved by Capt. R. P. Flower as Commanding Officer of Air Test and Evaluation Squadron Five (VX-5) will be held next Thursday, Aug. 4, at 11:30 a.m. inside Hangar 1 at Armitage Airfield.

Guest speaker for this occasion will be Vice Admiral T. J. Walker, USN (Ret.), who was first Commanding Officer of VX-5 (June 1951 to June 1953). At the time of his retirement from the Navy in 1973, Admiral Walker was the Commander, Naval Air Force, Pacific. He is now associated with the Hughes Aircraft Co.

Music for the change of command



**VAdm. T. J. Walker, USN (Ret.)**

ceremony will be provided by the Navy Band, Memphis, Tenn., and the invocation and benediction will be delivered by Cdr. Richard Beck, Catholic chaplain at the NWC All Faith Chapel.

Capt. Hollandsworth, who has served as Commanding Officer of VX-5 since March 1981, is leaving here for an assignment on the staff of the Commander-in-Chief, Atlantic, Norfolk, Va.

His successor, Capt. Flower, has been transferred here from duty as the Aviation Enlisted Assignment Officer with the Naval Military Personnel Command, where he has served for the past 1 1/2 years.

A native of Cleveland, Ohio, Capt. Flower entered the Navy through the Aviation Officer Candidate Program in 1961, after his graduation from Bowling Green State University in Bowling Green, Ohio.

Upon completion of flight training he was commissioned and assigned to duty with Heavy Attack Squadron 13 at the Naval Air Station, Widbey Island, Wash.

Following a deployment aboard the aircraft carrier USS Kitty Hawk, during which he participated in the initial air strikes carried out by U.S. forces in Southeast Asia, Capt. Flower was assigned to Attack Squadron 94 at the Naval Air Station, Lemoore, Calif., and left from there on deployments to Southeast Asia on board the aircraft carriers USS Hancock and USS Bon Homme Richard.

Upon his return to NAS, Lemoore, he reported to Attack Squadron 125 as a weapons delivery instructor. After completing his replacement air group tour, Capt. Flower was transferred to Attack Squadron 153 and made two more deployments to Southeast Asia on board the



**Capt. P. F. Hollandsworth**

aircraft carrier USS Oriskany.

When hostilities involving the U.S. ended in Southeast Asia, Capt. Flower returned to the U.S. with orders to attend the Naval War College. This was followed by an assignment on the staff of the Deputy Chief of Naval Operations (Air Warfare) before he reported to the aircraft carrier USS Midway as Executive Officer of Attack Squadron 56 — a unit that he assumed command of in March 1978.

Sandwiched in between another tour of duty on the USS Midway as the Commanding Officer of Carrier Air Wing 5 (beginning in October 1980), Capt. Flower attended the National War College.

Capt. Flower relinquished command of Carrier Air Wing 5 in January 1982 when he reported to the Naval Personnel Command.

As an attack aviator, Capt. Flower has accumulated 4,000 accident-free hours, made 1,200 carrier landings, and has flown 507 combat missions.

Capt. Flower is married to the former Janice R. Breen of Cincinnati, Ohio. They

(Continued on Page 3)

### More than \$13,600 collected, pledged for Navy Relief Soc.

More than \$13,600 was collected for pledged during this year's Navy Relief Society fund drive at China Lake. Of this, \$7,766 was donated by NWC personnel, \$3,686 by Air Test and Evaluation Squadron Five, and \$2,100 by the Thrift Shop, which is operated by the Women's Auxiliary of the Commissioned Officers' Mess.

The majority of the money was allocated through allotments filed by military personnel, with one enlisted person on board making the outstanding donation of \$600 for the year by filing an allotment for \$50 per month for NRS.

"I'm extremely pleased with the success of this year's drive," said Cdr. Michael McCarthy, who chaired NWC's fund-raising efforts in conjunction with Ltjg. K. A. Gorman. "The Navy Relief Society is a totally worthy cause," Cdr. McCarthy added.

Lt. Beth Hubert, who spearheaded the fund drive for VX-5, echoed Cdr. McCarthy's sentiments.

The three Navy officers expressed their appreciation to all the key personnel who assisted by contacting all military personnel on board, and especially expressed their appreciation to all the donors for their generosity.

NRS provides a wide range of services to Navy and Marine Corps active duty and retired personnel and to their dependents, including interest-free loans or grants to aid during times of financial crisis.

Moneys collected during the fund drive

are used entirely for assistance to Navy and Marine Corps personnel and their families, since all overhead for the NRS is covered by interest from investments made by NRS before World War II.



**BIG CHECK** — Cdr. Michael McCarthy (at left) and Ltjg. Kris Gorman present a check for \$13,622 to Lilliane Greene, Chairman of Volunteers for the local Navy Relief Society office, and Capt. K. A. Dickerson, NWC Commander, who serves as NRS President for NWC. The check represents the moneys donated at China Lake during the recent fund drive chaired by Cdr. McCarthy and Ltjg. Gorman for NWC and Lt. Beth Hubert for Air Test and Evaluation Squadron Five. — Photo by PHAN Greg Hogan





## Cdr. Herbster directs emergency Red Cross fund drive on Center

An emergency fund drive to replenish American Red Cross disaster assistance moneys began at China Lake on Wednesday, spearheaded by Cdr. G. F. Herbster. Key persons are being appointed for every department to assist with money raising efforts during the campaign expected to end on Aug. 12.

So far this year an unprecedented series of disasters in all 50 states, the District of Columbia, Puerto Rico, the Virgin Islands and Guam have wiped out the \$18.5 million 1983 disaster operations budget of the Red Cross plus \$10.5 million in reserve funds and an additional \$5 million contributed this year by Americans across the nation for disaster relief.

The Red Cross has provided mass care for 642,248 people in 1983, and provided individual assistance beyond mass care to another 412,313 persons. More than 4,343 disasters have required American Red Cross help.

The Red Cross receives no governmental financial support — it operates entirely on

the basis of donations by the American people. It is the largest volunteer organization in the world, with more than a million Americans donating their time and efforts each year to "The Good Neighbor." These volunteers ensure that a maximum of the money donated goes into services provided rather than overhead.

Typical of its disaster operations was the help given following the earthquake at Coalinga — where more than 70,000 meals were served in addition to other assistance that was given and is continuing to be provided by Red Cross disaster workers.

Capt. K. A. Dickerson, NWC Commander, asks that all civilian and military personnel consider taking this opportunity to contribute to the Red Cross disaster fund so that the Red Cross can continue to provide emergency aid when trouble strikes.

His sentiments are echoed by B. W. Hays, Technical Director, who adds that "China Lakers have a long tradition of being generous and being willing to lend a hand to those who need help."

### Message from SecDef

## Red Cross in need of support

*Changes in weather patterns have brought storms, floods, mud slides and tornadoes to wide areas of the country. A major hurricane in Hawaii and an earthquake in California have added to the devastation. In the past 10 months, the American Red Cross has spent more than \$33 million providing emergency assistance such as food, clothing, shelter and medical attention to over one million disaster victims. Consequently, Red Cross emergency relief funds are completely depleted.*

*Weather experts predict that the unusual weather patterns are likely to continue. Heavy snows in the Rockies have created a tremendous potential for flooding and we are into the tornado season. To meet anticipated needs in the immediate months ahead, the American Red Cross has launched a campaign to raise \$12 million for its emergency disaster relief fund.*

*We in the Department of Defense have been the special beneficiaries of the Red Cross humanitarian assistance, not only in times of disaster, but on a daily basis through Red Cross programs of counseling, emergency communications and financial assistance. We now have an opportunity to help the Red Cross continue to provide vital emergency care.*

*Therefore, I urge you to be generous in your support of the Red Cross emergency disaster relief fund.*

Caspar W. Weinberger  
Secretary of Defense

## Center's ADP resources manager, staff have weighty responsibilities

The Center's focal point for Automatic Data Processing (ADP) matters is the Office of the ADP Resources Manager (Code 01A1), which was established in 1979. Bruce Werthenberger and his staff, consisting of Fred Koperski and Gene Schneider, are responsible for ADP approvals, documentation, interpretation of applicability regulations, and consultation in terms of regulations and procedures.

The Center's current ADP policies have evolved from the Navy's ADP regulations, inputs from senior Center management, and by findings made during the early work on the plan for long range development of computing at NWC.

An interim plan for long range development of computing at NWC is now undergoing Center-wide review. Werthenberger and Dr. Ed Royce, head of the Research Department, served as coordinators for the computer master plan study performed by Dr. Bill Lane of California State University, Chico; this study and the reports of task teams resulted in the interim plan.

The interim plan will be implemented by Werthenberger's office and that of the Director of Computing Applications, Lou Giegerich (Code 01A6).

The ADP Resources Manager must approve any ADP purchases before the Supply Department can proceed with such a purchase, and his office is also the contact point for higher approvals or clarifications needed from off-Center. Werthenberger points out that the total procurement plan must be presented to his office before any approval can be given. Local approval is possible for sole source procurement up to \$500,000 for equipment that will be used strictly for scientific purposes. Competitive

bid purchases up to \$1,000,000 for either hardware or software may be approved locally, and local approval can also be exercised for automated information systems that cost up to \$5,000,000. These systems are a combination of hardware and software. Requests exceeding local approval authority are sent to NAVMAT or NAVDAC, as appropriate. Code 01A1 coordinates the requests.

Werthenberger himself serves as executive secretary and member of both the Technical Advisory Committee, and the ADP Executive Council.

He also coordinates his activities with the Director of Computing Applications and the



**METAL TRADES COUNCIL CONTRACT SIGNED** — Culminating a bargaining period that extended for 2½ months, Capt. K. A. Dickerson, NWC Commander, last week signed a contract with the Indian Wells Valley Metal Trades Council that covers wage grade employees in all areas except pay. The chief negotiators were Bruce McIntosh, for NWC, and Lewie Carr, for the Metal Trades Council, who are shown with members of their negotiating committees. Standing are (l.-r.) Paul Nelson, McIntosh, J.O. Crom, Marty Peltz, Carr, Ronald Ryan and Richard Keith. Nelson, Ryan and Keith were members of the Metal Trades Council negotiating committee; Peltz is president of the Metal Trades Council; and Cooper and Crom served with McIntosh on the NWC negotiating committee. Two other members of the latter group, Edward Rockdale and Richard Printy, were unable to be present for the photo. The two-year contract with the Metal Trades Council will go into effect as soon as it is approved by the Department of the Navy, or by Aug. 21 at the latest. —Photo by PHAN Rebecca Gill

## NAVAIR change of command puts VAdm. J. B. Busey IV in charge

Vice Admiral James B. Busey IV has taken over the weighty responsibilities of Commander of the Naval Air Systems Command (NAVAIR).

During a change of command ceremony held last Friday, July 22, at the Washington Navy Yard in Washington, D.C., VAdm. Busey succeeded Vice Admiral Ernest R. Seymour, NAVAIR Commander since April 1980, who will be retiring from the Navy on Aug. 1.

Guest speaker at the time-honored change of command ceremony was Admiral Wesley L. McDonald, Commander in Chief, Atlantic.

VAdm. Busey, a former Commanding Officer of the Naval Air Station, Lemoore,

Calif., left NAS Lemoore in 1978 for Washington, D.C., where he served successively as the Auditor General of the Navy, Director of the Naval Audit Service, and Deputy Chief of Naval Material, Resources Management.

Prior to assuming his present duties as Commander of NAVAIR, he was the Commander, Light Attack Wing, U.S. Pacific Fleet, headquartered at NAS Lemoore.

### Metal Trades Council

The Indian Wells Valley Metal Trades Council will hold its next regular monthly meeting at 4:30 p.m. on Thursday, Aug. 4, at 520 E. Inyokern Rd.

staff of that office. A portion of his time was recently spent chairing an evaluation board for an ADP services contract. In addition, Werthenberger represents the Center at Navy Laboratory ADP meetings.

Primarily working in ADP approval matters and on exemptions is Fred Koperski, who also interfaces extensively with those who are seeking ADP resources. He also interfaces with the Naval Material Command and with the Office of Naval Automation Data Command that is located at the Washington Navy Yard.

Koperski is the Center's representative on the Intergovernmental Council on the

Technology of Information Processing. This group, comprised of federal, state and local government representatives, meets quarterly to share information.

Koperski is also responsible for maintaining the ADP Resources Handbook.

Gene Schneider has the responsibility for creating and maintaining the inventory of all the Center's computing equipment; she works on this in concert with the Center's Equipment Manager (Code 02A22). Major users of the inventory information are the ADP Security Officer and the Office of the Director of Computing Applications. The equipment inventory includes everything identified as a computer or computer peripherals, with the exception (currently) of word processing equipment.

She represents the Center on the Triservice Advisory Group on Human Engineering, which grew out of her interest in the man/machine interface. Ms. Schneider headed the task team that dealt with this interface, and consults on this issue, especially with the Technical Advisory Committee, of which she is a member.

In addition, she handles public announcements of computer-related courses on the Center, and also coordinates special computer-related vendor presentations and demonstrations.

Considering the size of the investment that the Center has in ADP equipment and that the field is growing rapidly, Werthenberger says that it's essential that policies, procedures, and usage be considered on a Center-wide basis. The ADP Resources Management office and the Office of the Director of Computing Applications are the first steps toward implementing such planning.



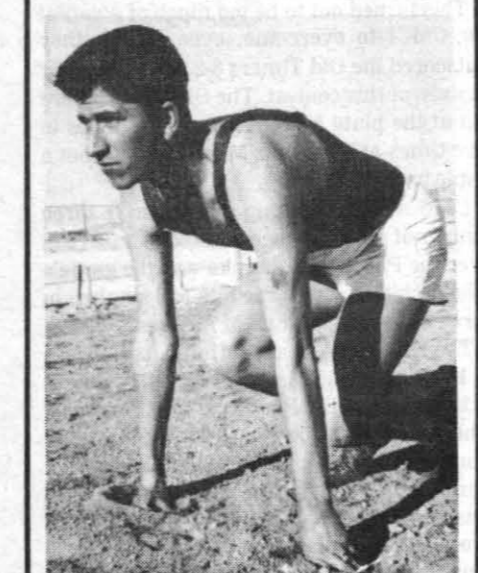
**DISCUSSION** — Bruce Werthenberger (center), ADP Resources Manager, points out a listing in the computer inventory being compiled by Gene Schneider as Ms. Schneider and Fred Koperski observe. — Photo by PHAN Greg Hogan

## Opening available a Naval PG School in varied disciplines

There are currently openings for quotas at the Naval Postgraduate School this summer and fall in the following Command and Control Curricula: electronic warfare, communications engineering, telecommunication management, and command and control.

See OPNAVNOTE 1520 for information on curriculum content and prerequisites. If interested and qualified, call a Navy detailee or the NAVMILPERSCOM Graduate Placement Branch at Autovon 224-3321.

### Remember when...



A former Burroughs High School track athlete is this week's "Remember when..." column personality. He was a junior at BHS in 1949 when the above photo was taken on the running track at what is now the Murray Junior High School campus athletic field.

Born in Honolulu, Hawaii, he was living there at the time of the Japanese attack on Pearl Harbor that plunged the United States into World War II.

The family left Hawaii and moved to Long Beach, Calif. where they remained until 1945 when the family bread winner moved here to work as an engineer on the railroad that was used to transport supplies and equipment from Inyokern to China Lake. The father retired from his railroad job in 1957.

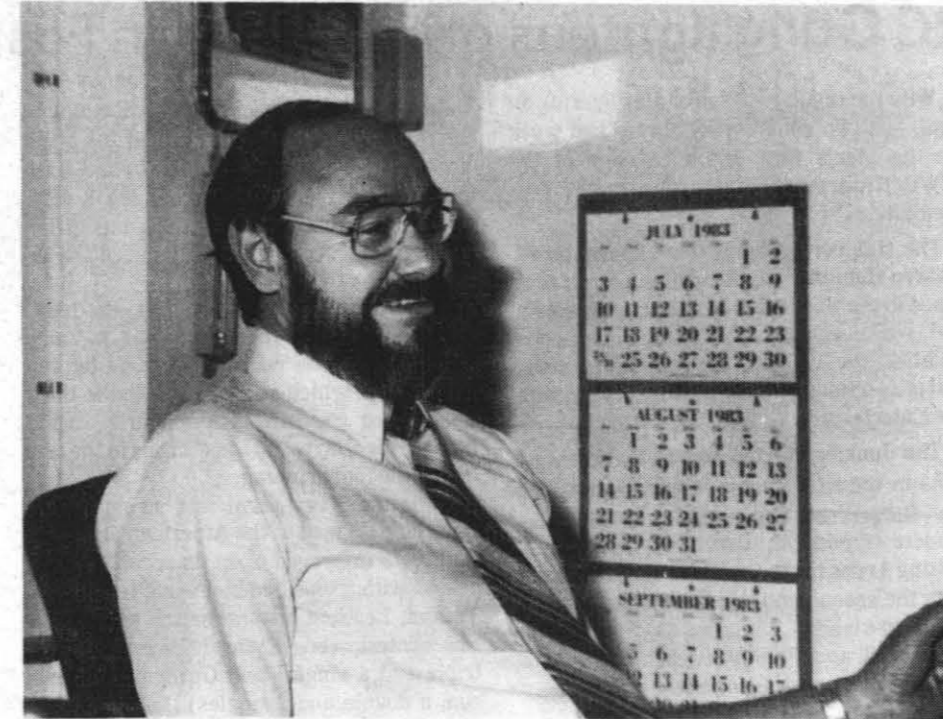
Active in sports and music while a local high school student, this week's "Remember when..." column personality was graduated from Burroughs in 1950 and joined the Army a short time later. His military service involved him in a Mobile Army Surgical Hospital (MASH) unit in Korea, and he participated in the repatriation of American prisoners of war when the hostilities ended.

Study at the Brooks School of Photography in Santa Barbara followed his discharge from the Army, and he began what has become a 29-year career at China Lake in 1954 by operating a tracking camera for the Range Department.

Interested in photography both off the job as well as on, this week's "Remember when..." personality has been lending a hand recently as a television cameraman for the "Living Waters" program on Channel 3 in Ridgecrest.

If you haven't recognized this week's "Remember when..." column personality, turn to page 8.

**Editor's note:** Readers' contributions of old photos for the "Remember when..." column can be made by delivering them to the Public Affairs Office, attention Beth Hoffmann, phone NWC ext. 3511. Please include a telephone number at work so that information to accompany the photo can be obtained.



**SELECTION ANNOUNCED** — Gaylon E. Ryno, who has been head of the Sensor Systems Division of the Fuze and Sensors Department, is the new associate department head of Code 33. —Photo by PHAN Greg Hogan

## Navy to have continuing role in space, banquet speaker states

The Navy is part of space and always will be, Capt. Lorin W. Brown told members and guests of the High Desert Engineering Association at last week's dinner in observance of Space Week.

Capt. Brown is presently Commander of the Navy Space Systems Activity in Los Angeles. His career has been a mix of technical and operational assignments; this is appropriate because he holds both a doctorate in physics from the University of Utah and also is an accomplished military pilot who holds numerous medals and citations for his combat flying.

In his talk entitled "Windsails to Solar Sails: The Navy's Roles in Space," Capt. Brown said Navy space policy was defined by a 1978 memorandum from the Chief of Naval Operations which stated that space is important to the Navy because it offers opportunities for activities from communications to over-the-horizon targeting.

If the Navy's need is unique, the Navy will procure, develop, and operate the space system, Capt. Brown quoted the memo as saying. If the resultant product has general applicability, the Navy will assist in its development.

Space systems, he noted, have to compete for money with other projects and programs, and "Just because there's another way of doing something doesn't mean that it's a better way," so space systems have to clearly be an improvement in order to be funded.

The Navy Space Systems activity is co-located in Los Angeles with the Air Force Space Division, although there are other Navy space programs elsewhere, such as the Navy Astronautics Group at Point Mugu. (That group has been operational since 1968 when it used information originally gained from Sputnik to develop a navigational system that is now used by almost 30,000 commercial operators as well as the Navy.)

The Navy's navigation in three dimensions is also enhanced by the Global Positioning System satellites. When all 18 satellites are in the air, even an aircraft in a landing pattern will be able to measure precisely where it is in three-dimensions — provided that it has the right type of receiver. The satellites are being designed by the Rockwell Corporation; receivers are still under competition.

Communications satellites include Fleet Satellite Communications, Lease Sat (now being built to be launched from the Space Shuttle next year), and Milstar.

Adding to the complexity of designing and building a satellite, Capt. Brown interjected, is that any part or system failures can't be corrected once a satellite is launched. Despite this, however, the cost of ground equipment generally exceeds the cost of the satellite.

The Defense Meteorological Satellite is a joint service project with the satellite in a

sun-synchronous polar orbit so that the satellite passes over the same location each day at the same time. The feasibility model was tested in 1971. The receiving set, which had been mounted on the hangar deck of an aircraft carrier for what had been planned as a 90-day test, remained in place and in use for more than nine years because it proved so effective.

Just at its beginning stages is the Navy Remote Ocean Sensing System, being developed by the Navy rather than as a joint service project.

Capt. Brown said that the Navy had gotten forced out of the launch vehicle business, but is still heavily into integrating payloads into launches. (He added that anyone at NWC who needed to have an experiment aboard one of the Space Shuttle flights could call on his group for assistance. Such experiments need to have military relevance as well as scientific interest.)

Geosat A, another new program, is a Navy project aimed at discovering just exactly how round the earth really is. Measurements from Geosat A are expected to be so precise that meteorologists will be able to use them to determine the heights of waves.

Also in development is a system of Submarine Laser Communication satellites that will use blue-green lasers for communications. This project is being funded by the Defense Advanced Research Projects Agency (DARPA).

Capt. Brown closed by noting that the Navy's role in space is assured because breaking free from the earth is today's version of the early voyagers who first sailed from sight of land.

## Ryno selected as associate head of Fuze, Sensors Dept.

Gaylon E. Ryno has been named as the associate head of the Fuze and Sensors Department.

Ryno, who has been head of the Sensor Systems Division, will continue to serve in that post also until a permanent selection is made to fill his previous position.

The Sacramento native has been a Navy man all his professional life. He served four years in the Fleet (at sea most of the time, he says) before completing a bachelor's degree in physics at California State Polytechnic College.

At that time, Ryno went to work in the Electronics Division of the Research Department at the Naval Ordnance Laboratory, Corona. When that division was split into two divisions, he was in the group that became the Advanced Systems Division of the Fuze Department, and he's remained in the Fuze Department (now the Fuze and Sensors Department) ever since.

With other members of that department, he transferred to China Lake in 1970. Ryno chuckles that he had visited China Lake while still in college to attend the wedding of a friend and swore that he would never work here. "Thirteen years later," he says, "here I was. And two years after that, I found that I liked the place so much that I don't plan on ever leaving."

His outstanding contributions to improved methods of fuze and sensors development earned him the L. T. E. Thompson Award in 1981, the Center's highest award for outstanding individual achievement.

His wife, Vivian, is a management assistant in the Records Management Branch in the Office of Finance and Management. They are the proud parents of a married daughter who lives in Virginia Beach, a son who is an electronics technician in the Navy, and four children still living at home.

### JPs available to assist in role of 'housesitters'

Due to the current shortage of housing on the Naval Weapons Center for Junior Professionals, anyone who might need a temporary "housesitter" for an off-Center residence is encouraged to contact Mary Finders.

She is acting as the coordinator for this effort in the Fuze and Sensors Department, and can be reached by calling NWC ext. 7351 or 7510.

### Police reports...

Theft of a sliding screen door from a residence in the Capehart B housing area was reported last Friday to China Lake police.

Value of the screen door, which was 4- by 7- by 8-ft. in size, was estimated at \$7. It was stolen from a residence in the 300 block of Vieweg Circle.



**GOOD NEIGHBORS ALL** — David B. Reppard, who lives at 1504 Lexington Ave., received the award for yard of the month for the "hill area" from Skip Bennet, assistant head of the Housing Division. Also pictured are Reppard's daughter, Courtney, his wife, Leslie, and his son, Hatch. Other winners for the month of August are AC3 Theodore A. Reed, of 422 Hubbard Circle, for the Capehart B area, and Ralph H. Jorgensen, of 812 Bowen Ave., for the Old Duplex area. — Photo by PHAN Rebecca Gill