Page Eight



NAVY RELIEF VOLUNTEERS HONORED - Rear Admiral William L. Harris, NWC Commander, presents certificates of appreciation to three of the volunteer workers who interview applicants for various types of assistance provided by the Navy Relief Society. The recipients are (I.-r.) Mary Munsinger, Joanne Casmer and Eileen Spellman. - Photo by Ron Allen

### Navy Relief Society volunteers receive awards for service from NWC Commander

home of Capt. F. H. M. Kinley, NWC Vice of family emergencies. Commander, and his wife, Priscilla, three Navy Relief Society volunteers were honored for the many hours they have given of their time to help with arrangements for emergency assistance needed by Navy and Marine Corps active duty and retired personnel, their dependents, surviving widows and children.

The honorees, who received certificates of appreciation from Rear Admiral William L. Harris, NWC Commander, and the number of hours each of them have contributed are Joanne Casmer, 2,658; Eileen Spellman, 621, and Mary Munsinger, more than 450 hrs.

Mrs. Munsinger and Mrs. Spellman both were involved in Navy Relief work at the Naval Air Station, Lemoore, Calif., before coming to China Lake, while Mrs. Casmer has served as an NRS volunteer worker at Pensacola, Fla., at Oceana, Va., and for the past two years at China Lake.

Included among the types of help provided by the NRS interviewers is counseling on financial matters and

During a luncheon held recently at the arranging for either grants or loans in times

The luncheon at the Kinley residence also was attended by Chaplain F. E. Whitaker, executive director of the NRS branch at China Lake, and Mrs. Whitaker; and Deanna Allee, chairman of interviewers and current chairman of the local NRS office

Others were Nancy Branch, Martha Conner, and C. J. Cowell, records chairmen; Jeanne Davis, Jean Harris, Darlene Killoran, Joyce Taylor and Dana Castillo, all former office chairmen and chairmen of interviewers.

### Wed. matinees set at Center theater

Beginning next Wednesday, June 21, and continuing through Aug. 30, the Center theater will schedule Wednesday afternoon children's matinees during the summer. The matinees will begin at 1:30 p.m., and the first (next Wednesday) will feature an animated cartoon version of "The Swiss

Family Robinson" and five cartoons.

### Enlisted Mess to present hypnotist act, San Diego rock music group this evening

Southland hypnotist Larry Corona will calling 446-6969, and their lunch will be entertain patrons at the Enlisted Mess tonight by making volunteers from the audience perform such unconscious acts as appearing drunk without taking a sip of alcohol and dancing go-go routines without having taken a lesson.

Corona, who estimates he has made unconscious actors of 40,000 people, will present his act at about 10:30 o'clock.

On either side of Corona's performance, "Dixon," a rock group from San Diego will play from 9 p.m. until 1:30 a.m.

The menu tonight features the regular Friday surf and turf special.

The Enlisted Mess dining room has changed its hours of operation and is now open from 6 to 8 p.m., Tuesday through Thursday, and 6 to 8:30 p.m. on Fridays. Dinner service on Saturdays has been discontinued.

Hot line service is available on week days from 11 a.m. until 1 p.m. Those who wish to do so can place their orders in advance by ROCKETEER

### Local entries win in 11th ND Arts, Crafts Fair in San Diego

Two Centerites were winners in the 11th Naval District Arts and Crafts Fair held last Saturday in San Diego. They are Tawnya Bryant, wife of AO2 Wes Bryant of VX-5, and PRAN Sharell Olvera, also of VX-

Mrs. Bryan took first place in ceramics with her entry of a "cookie" house and, FRIDAY also, first place in stitchery for a tapestry of a "Moody Owl."

PRAN Olvera's sketch entitled "Horses" won first place in the art competition.

More than 50 entrants from installations throughout the 11th Naval district submitted 150 different arts and crafts items. Two other locals entered the contest: AN Deborah Taylor of the NWC Operations Division entered acrylic paintings, and ADAN Jonathan Riddick, who is assigned to the Aircraft Support Divison Division's hot

line, submitted some pencil sketches. The contest was open to 11th ND military personnel and their dependents and included 14 different categories. Trophies were awarded to the winners.

### Lecture slated on history of charcoal industry in West

"The Charcoal Industry of the West from 1850 to 1890" will be the title of a film slideillustrated talk to be given by James O'Neill on Wednesday, June 21, at 7:30 p.m. at the Pierce School auditorium.

The historical lecture, which will cover the development of the charcoal industry from its beginnings in ancient Egypt to its peak during mining days of the old American West, is being offered free of charge under the sponsorship of the Maturango Museum. The public is invited to attend

Making Ridgecrest his home base since 1950, O'Neill was a 1966 graduate of Burroughs High School. After a 3-year stint in the Army, he returned to the local area and began his research of the charcoal industry. For the last two years, O'Neill has attended Cal-State Fullerton where he has majored in art, with a strong history minor. Over the past six years, O'Neill's fascination with charcoal kilns has taken him to numerous kiln sites in California, Utah, Nevada, Wyoming, and Idaho, where he has collected color slides and interesting historical data.

### **Tickets for Golden Oldies event going** fast at CPO Club

Tickets for the Golden Oldies performance of The Diamonds at the Chief Petty Officers' Club on June 30 are going ast, George Darnaru, club ina Reservations for the evening are being held to 125 couples at \$25 per couple, which includes a charcoal broiled steak dinner. Barnard reported sell-out crowds for the two performances of the Sounds of Country

last Friday and Saturday nights. The Diamonds will present popular music

of the '50s and '60s, and Barnard expects a sell out in advance of their June 30th performance date.

### Hope you're thinkin' ...if you're drinkin' Drinking grain or fruit that has been

fermented And trying to drive is a little demented.

Take care, we need you, we hope you've inferred

Cause driving while intoxicated can get you interred.

Hiring a taxi cab when needed is cheaper than the fines and legal fees involved following an arrest for driving while intoxicated, which also could lead to a fatal accident and the cost of a funeral.

June 16, 1978

MONIES G) - ALL AGES ADMITTED General Audiences ental Guidance Suggester (R) . RESTRICTED Under 17 requires accomp Parent or Adult Guardian

time-7:30 p.n

"Skateboard" (98 min) When Allen Garfie gets the squeeze from his bookie, Anthony Carbone, he decides to start a professional skateboard team and persuades the bookie to fund it. Unfortunately, the only thing professional about the team of teenagers is their ability to run up bills. Not being a child psychiatrist, Garfield has his hands full coping with the antics of his skateboard team members. (Action Drama, rated SATURDAY

1:30 Matinee "Paco" (91 min.) Panchito Gomez, an orphan, takes his donkey and sets off to the city to find his uncle Pernell Roberts, who he believes to be a Ithy businessman. His uncle's business turns out to be operating a beggar-and-thieves band of children. Paco has to deal with his disillusion ment. (Human interest story, rated G)

"End of the World" (93 min.) Scientist Kirk Scott accidently intercepts a message from outer space warning creatures who have come to earth from another planet to return to their homes because the earth is about to be destroyed. Scot and his wife, Sue Lyon, locate the place (a convent) from which the messages are being sent. There they find Christopher Lee and a group of six women who have come from another planet. Lee holds Lyon as a hostage to force Scott to steal a crystal device which can be used to permit the visitors from outer space to escape back to their home planet (Science-fiction, rated PG)

SUNDAY & MONDAY June 18 & 19 relefon" (103 min.) To the dismay of both Russian and American intelligence agency top brass, a disgruntled KGB clerk sets into motion a Soviet sabotage plan against U.S. defenses. The Russians assign Charles Bronson and Lee Remick to stop the clerk. Double-agent Remick also works for the CIA. Fearful that the plan conceived in the t of the Cold War will cool off detente, their bosses in Moscow and Washington face further consternation when Bronson and Remick use their knowledge of the plan to blackmail their way out of their jobs as spies. (Suspense drama, rated

#### WEDNESDAY

1:30 Matinee 'Swiss Family Robinson" An animated cartoon sion of the well-known children's book, plus five cartoons: "Robin Hoody Woody," "Home Sweet Home Wrecker," "Rah Rah Ruckus," 'Fractured Friendship'' and "Charlie's Motherin Law." (An afternoon of children's comedy, rated G)

WEDNESDAY & THURSDAY June 21 & 22 The World's Greatest Lover" (90 min.) Bakery assistant Gene Wilder's fantasy of becoming great lover materializes when he enters a contest to find a rival to Rudolph Valentino. In Hollywood, his wife, Carol Kane, poses as an extra to get onto a set with the real Valentino, but ends up in a love scene with Wilder, who is dressed and made up to look like the silent screen lover. (Comedy, rated

FRIDAY & SATURDAY June 23 & 24 "The Choirboys" (119 min.) In a series of episodes alternating between wild drinking parties and on-duty conflict with authority, a group of big-city cops present an unrelieved view policemen as bawdy, violent, sex-obsessed bigots who are not above blackmail. Charles Dunning frames his superior; Perry King gets caught with a prostitute: Don Stroud kills a man during an alcohol-induced hallucination; and a deputy chief attempts a cover-up by falsifying records. (Comedy drama, rated R) SATURDAY

#### 1:30 Matinee

"Seven Golden Men Strike Again" (102 min.) Under contract to a superpower's intelligence agency, a gang of international thieves, led by Philippe Leroy, kidnap a South American dictator. Their real intent, however, is to use the atomic submarine supplied for that purpose to pursue their own separate scheme. (Adventure drama, rated G)

Program subject to change without notice. For further information call NWC ext. 2259.

From:	PLACE STAMP
To:	- HERE



ready for them when they arrive at the

Enlisted Mess.

YOU ARE GETTING SLEEPY' -Hynotist Larry Corona will perform at 10:30 tonight for patrons of the Enlisted Mess.

nwc rocketeer Naval Weapons Center China Lake

June 16, 1978

Vol. XXXIII, No. 24

# Milestone achieved in effort to develop automatic RPV recovery guidance system

DEMONSTRATION FLIGHT SUC-CESSFUL - Nearing the end of its first automatically controlled flight, the QH-50C comes in for a soft landing right on target - a 5-ft. diameter circle painted on a landing pad.

### Job takes four **Centerites to** Adak, Alaska

Four employees of the Naval Weapons Center left Tuesday for Adak, one of the islands in the Aleutian chain of Alaska, where they are preparing to clean out a drill hole in order to make thermal gradient measurements from the second of two geothermal exploration observation holes. Those whose jobs provided them a way to beat the early summer heat of Indian Wells Valley are Carl Halsey, head of the Geothermal Operations Branch in the Public Works Department; and three other Public Works Department employees -Ron Clodt, an equipment operator; M. H.

"Red" Hass, a rigger, and M. F. "Buddy" Richardson, a sheet and platemetal worker. At the time the China Lakers left here, equipment was either on its way or was already at the site of a 2,000 ft. deep hole on the slope of Mt. Adagdak, an inactive volcano.

This is the second trip this year to Adak for Halsey, Clodt and Hass, who spent nearly a week there in January when the weather prevented cleaning out drilling mud from the deeper of two drill holes they were sent to check.

It's now the spring season in Adak, and the task at hand is expected to be completed within two weeks, Dr. Carl Austin, head of the Geothermal Utilization Division in Code (Continued on Page 3)

A talk on the "Carter Administration

Strategies for Economic Development" will

highlight the annual meeting of the East

Kern County Chapter of the American

Society for Public Administration (ASPA).

take place on the evening of Thursday, June

29, at the Commissioned Officers' Mess, will

be Dr. Allen C. Haile, principal represen-

tative of the U.S. Secretary of Commerce

for an area that takes in the states of

California, Arizona, Nevada and Hawaii.

ASPA and the Ridgecrest Chamber of

Commerce, and is open to all interested

persons. A social hour will precede dinner

at 7 p.m. in the Mojave Room of the COM,

and there will be a brief ASPA business

session for the purpose of introducing newly

elected officers prior to the talk by Dr.

The speaker, who has a Ph. D. in Public

Administration from the University of

Southern California, as well as master's

degrees in aerospace management and

systems management (also from USC), was

an associate professor of public ad-

ministration at Golden Gate University in

San Francisco when he was selected for the

post he now holds with the U.S. Department

of Commerce. He is currently on a sab-

His present activities also include serving

batical leave from the university.

Haile at 8:15.

The meeting is being co-sponsored by

The speaker for this meeting, which will

#### The recent takeoff, flight, and landing of a QH-50C unmanned helicopter was the most exciting proof to date of the success of the Hybrid Terminal Assist Landing (HYTAL) program, a development program with the ultimate goal of providing an automatic remotely piloted vehicle (RPV) recovery guidance system aboard non-carrier Navy shins.

This major milestone in the HYTAL program was achieved in the G-1 range area when the QH-50C drone helicopter was operated solely by means of control data from the HYTAL system's 6800 microprocessor - from the RPV's takeoff and flight to a soft landing within a 5-ft. diameter circle painted on a landing pad.

Under development since 1974, the HYTAL system incorporates an RF approach control subsystem, a precise optical terminal phase subsystem, and an automatic control processor. Program manager is Roy Nichols, head of the Systems Study Branch (Code 3311) in the NWC Fuze and Sensors Department.

Long Range Control

According to Nichols, the RF system concept provides for long-range bearing and approach control, as well as the data link for control. The RF system operates through fixed non-steerable antennas, with a transponder aboard the aircraft. During the terminal phase of recovery, the RF system "hands off" to the optical subsystem, which then controls the aircraft to a precise soft landing.

The RF subsystem controls the "bird" at long ranges by means of an automatic control processor that continuously measures the azimuth, elevation, and range of the RPV in relation to the ship. When the RPV is directed by means of the data link to return to the vicinity of the recovery ship, the vehicle follows a prescribed glide slope dictated by these bearing angle and range coordinates.

# Sec. of Commerce official to speak at ASPA meeting

on the National Council of ASPA, as well as the military service - handling various on the editorial board of the Northwest flying assignments that were interspersed Journal of African and Black American with research and engineering development Studies.

Council, he has specific interests in in- record includes more than 5,000 flying hours tergovernmental management and in the military/defense sector of public administration.

Dr. Haile, a retired colonel in the Air Force, served for 20 years in this branch of



Dr. Allen C. Haile



PREFLIGHT CHECKOUT - Al Sorenson and Joe Kitchens (in background) make sure the HYTAL equipped QH-50C helicopter is ready for an automatically controlled, unmanned flight test.

system continues to monitor its position in the glide slope.

Operating at shorter range than the RF subsystem, the optical subsystem takes over as the vehicle nears the ship. Since the optical subsystem is on a directable mount "slaved" to the azimuth and elevation coordinates provided by the RF subsystem, it is ready to begin tracking a retroreflector on the RPV as soon as the vehicle comes within range.

At this point, automatic control is transferred to the optical subsystem, which then brings the vehicle to a soft landing.

An integral part of all this is a microcomputer subsystem that monitors all As the vehicle returns, the RF sub- signals from the RF and optical sub-

work, mainly in space and missile systems As a member of the ASPA National and information sciences. His military and 134 combat missions.

> While in the Air Force, he attended the USAF Institute of Technology Advanced **Program in Astronautics and Space Vehicle** Systems (Management).

Following his talk, Dr. Haile will respond to questions concerning such Department of Commerce interests as the Economic Development Administration, which makes grants to local government under the public works employment program; minority business enterprise, science and technology matters that come under the cognizance of the National Bureau of Standards, and Technology Transfer, the National Oceanic and Atmospheric Administration, and the Bureau of the Census.

A full course steamboat round dinner will be served at the ASPA annual meeting. Tickets, priced at \$6 each for ASPA and Ridgecrest C of C members or \$6.50 for nonmembers, can be ordered by calling June Graham, NWC ext. 2626; Linda Roush, NWC ext. 2574; Natalie Harrison, NWC ext. 3481; or Audrey Nelson at 375-8331.

Reservations must be made and tickets purchased no later than Tuesday, June 27.

systems, provides programmed flight commands, incorporates the control equations, and automatically generates the control signals to the RPV for automatic landing

One of the key concerns that encouraged the development of HYTAL was that of cost. The system is both low-cost and extremely portable. The only components carried on the RPV are a small, lightweight retroreflector and an RF transponder.

The HYTAL system may be used with either a fixed-wing or a helicopter type RPV. In addition, the system provides for a full hemispherical approach control of the RPV around the ship, both for takeoffs and for landings.

#### **Must Be Small in Size**

Nichols pointed out that a recovery guidance system is needed that will be small enough to be readily carried aboard the ship and that can be installed without major modification to the ship and without great additional cost. The system's RF antennas must also function without occupying the ship's superstructure s its ultimate configuration, HYTAL will meet these goals, Nichols forecasts.

The optical tracker and ranger subsystem was designed, built, and first demonstrated in May 1976 when a retroreflector mounted on a manned helicopter was tracked. The RF approach control subsystem was then tested in demonstrations that proved the feasibility of using spread spectrum techniques to generate long-range bearing and range data.

#### **Feasibility Proven**

By September 1976, a technique for handing off automatically from RF to optical subsystem control was demonstrated. It was these earlier accomplishments that proved the initial feasibility of the HYTAL system, Nichols explained.

In Fiscal Year 1977, plans called for automatically landing a drone type helicopter. Working in conjunction with the Weapons Department's Weapons Development Division, the Systems Study Branch (Code 3311) concentrated its effort on demonstrating the feasibility of auto-

(Continued on Page 3)



### Drunk drivers invite trouble

Recently reported statistics from the Naval Weapons Center Traffic Court bear out the fact that there has been a steady increase in the number of Driving While Intoxicated (DWI) citations issued by China Lake police.

This is true in spite of the widespread awareness that drinking and driving don't mix - something that is borne out by nationwide records which reveal that alcohol consumption was a factor in half of the nation's vehicle-caused fatalities last year.

For those who choose to overlook good judgment in this matter on the assumption, perhaps, that it will be the other person who runs afoul of the law, they may well be in for a rude awakening in view of the more vigorous enforcement of drunk driving laws by China Lake police.

On board the Naval Weapons Center, there are regulations applicable to Department of Defense installations that are followed precisely, as well as a Traffic Court system which has very little latitude when it comes to dealing with the offense of drunk driving.

OPNAV Instruction 11200.5B requires that upon conviction for DWI, there must be a mandatory revocation of the individual's driving privileges upon a military installation.

Upon conviction of DWI at the NWC Traffic Court, a person's driving privilege is revoked for two years. At the end of one year, the individual may resume driving on a probationary status provided that qualified counselors in such matters have determined that the person in question does not have an alcohol problem, or, if on the other hand, it is found that the individual does have an alcohol problem, he or she must have successfully participated in some type of alcohol rehabilitation training program before full driving privileges on the Center are restored.

Every effort is made to provide both military and civilian personnel with assistance in dealing with alcohol and drug-related problems, Cdr. M. J. Cowell, NWC Staff Judge Advocate, stated.

All persons, military and civilian, when arrested on board the Center and charged with DWI, receive two citations: the civilian to NWC Traffic Court and also to appear before the East Kern County Municipal Court; the military person is cited to NWC Traffic Court and has charges under Article III, Universal Code of Military Justice, forwarded to his Commanding Officer for appropriate action.

How much alcohol is too much? If it is determined that an individual's blood alcohol content is .10 per cent or greater, the presumption is that he or she is driving under the influence of alcohol, and a prima facie case is established by the state.

More than 90 percent of the states have adopted the .10 percent blood/alcohol level as the standard, above which an individual is presumed to be intoxicated. The remainder of the states retain the old standard of .15 percent. Because California formerly recognized the .15 percent figure, some state judges use discretion in the .10 to .15 percent range for first time offenders, if the total circumstances warrant it.

Think again! Is the prospect of being arrested, fined, losing one's driving privileges, causing property damage or even loss of life worth the misery which can be the result of driving while under the influence?

The answer is obvious and so is the message which is being repeated for all who may have failed to pay heed to it in the past. For the safety and well-being of all concerned, don't mix drinking and driving and become a statistic!

### Head of NWC Personnel Dept. to discuss proposed changes in supervisory training

A luncheon meeting of Chapter 28 of the in the training of supervisors, she is hoping National Association of Supervisors will be for additional input from those present at held on Tuesday, starting at 11 a.m., at the Tuesday's meeting. Enlisted Mess

Guest speaker on this occasion will be Eva Bien, Civilian Personnel Officer and head of the NWC Personnel Department, whose topic will be "Proposed Changes in Supervisory Training."

All supervisors, as well as all other interested NWC employees are invited to the special on Tuesday, which will be a attend the meeting. Since Ms. Bien will be Spanish lunch or a hot roast beef sandwich discussing changes that have been proposed for \$1.95.



Phones

Editor **Dan Tikalsky** 

Associate Editor

**Ron Allen** 

Staff Photographer

# The menu at the Enlisted Mess offers a variety of cold sandwiches, in addition to

In order to know how much food to

prepare, reservations are requested and

can be made by calling either Dennis

Rowell, at NWC ext. 3791, or Wayne Jackson

at NWC ext. 2605, by 4:30 p.m. Monday.

with appropriated funds by a commercial firm in compliance with NPP-R P-35, revised January 1974. Office at Nimitz and Lauritsen Informatio published in the Rocketeer does not necessarily reflect the official views of the Department of Defense. Information in The Rocketeer authorized for public release by the Office of the Commander, Code 003.

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# **Promotional Opportunities**

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employ with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 092, Ext. 2069. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Informat concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 096 or 097). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisor appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonm The minimum qualification requirements for all GS positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

Physicist, Electronics Engineer / Mathematician GS-1310/ 1520/ 855-12, PD No. 7861062, Code 3145 - This position is interdisciplinary. It is located in the Computer Engineering Branch, Avionics Division, Systems Development Department. The incumbent performs system analysis, software engineering, and system testing. This includes developing computer systems for real-time, interactive and batch oriented applications; component specification (both hardware and software); design; programming; testing; and documentation. Job Relevant Criteria: Ability to design and develop digital computer based systems, knowledge of Fortran and mbly languages, knowledge of real-time simulation. Status eligibles accepted.

Electronics Technician, GS-856-9/10/11, PD No. 7831061, Code 3145 — This position is located in the Com-puter Engineering Branch, Avionics Division, Systems Department. The incumbent designs and develops digital circuits and hardware, constructs and packages breadboard and prototype model hardware, performs tests, calibrates and maintains shop test equipment, and prepares circuit sketches, blueprints, and wiring lists for digital systems. Job Relevant Criteria: Knowledge of digital systems; knowledge of breadboard design and packaging; ability to use sheet metal tools in mechanical packaging. Applications will be accepted from status eligibles.

File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Quality Assurance Specialist (Electronics), GS-1910-11, PD No. 7655052E, Code 3681 — Applications will be accepted from NWC employees and status eligibles. This position is located in the Soldering Technology Branch, Product Assurance Division, Engineering Department. The incumbent will assist in the development of quality and reliability requirements to be utilized in the manufacture of weapons systems electrical / electronic modules. The incumbent investigates quality problems in the manufacture of hardware, determines the course and recommends corrective action. The incumbent reviews contractor facilities, equipment, operating procedures and training program to ascertain compliance to the con tractual specification, reviews formal documentation prior to authentication, recommends approval or disap-proval of contractor proposed deviations, waivers and exceptions to the specification. Job Relevant Criteria: Knowledge of WS-6536 and AS-4042. Knowledge of soldering and module welding techniques. Knowledge of printed wiring board manufacturing. Ability to write and revise specifications. Promotion potential: GS-12.

Engineering Technician, GS-802-9, PD No. 7836103N, Code 3681 - This position is located in the Soldering Technology Branch, Product Assurance Division Engineering Department. Incumbent performs failure analyses of electronic components, printed wiring boards, etc., design tests to simulate system operating conditions to analyze problems, and determines the need for equipment and facilities necessary to perform failure analysis. Job Relevant Criteria: Must have broad experience in all of the various phases of failure analysis physical operations and know how to operate and perform all optical, scanning and chemical processes required for preparation and examination of electronic components and piece parts; experience with photographic equipment scanning electron microscope, X-ray analysis equipment, chemical stripping and potting compounds is mandatory; and experience in the use of electronic scopes, liner circuit estors, microprobes and general electronic test equipment is desirable but not mandatory File applications for the above with Janet Thomas, Bldg.

34, Rm. 204, Ph. 2925.

Supervisory Police Officer, GS-083-7, PD No. 7184012N, Code 2413 - This position is that of supervisory police officer located in the Patrol Branch, Police and Security Operations Division, of the Safety and Security Department. As patrol sergeant, incumbent is the first-line supervisor responsible for one of three watches (shifts) umbent will primarily perform duties in the field, supervising the actions and performance of the patrolmen; will insure that all investigations handled by patrol units are properly conducted. Incumbent will, while act as a patrol unit and will be violators, evidence of the occurrence of a crime or conditions which would adversely affect the welfare of the Center. Job Relevant Criteria: Knowledge of all aspects of police work, particularly patrol procedures and criminal investigations. Knowledge of state and federal crimina law. Experience as a supervisor or in a supervisory capacity. Ability to communicate with others effectively. Ability to prepare clear and concise reports

Safety Specialist, GS-018-7/9, PD No 7824000N / 7824001N, Code 245 - This position is that of a safety specialist located in the Explosives and Laboratory Safety Division of the Safety and Security Department The GS-7 level is a trainee position. At the GS-9 level, the incumbent is responsible for developing the safety program in his area. Duties will include assisting managers in the conducting of safety surveys in their respective shops to eliminate hazardous conditions, recommending corrective actions, implementing new program development and preparing safety education material. Job Relevant Criteria: Knowledge of safety principles; knowledge of the techniques of accident prevention; experience working with explosives, propellants, and pyrotechnics; ability to communicate lively, both orally and in writing. Promotion poten-

Police Dispatcher, GS-301-2/3, PD No. 7724027N and 7584007N, Code 2413 - This position is that of police dispatcher located in the Police and Security Operations Division of the Safety and Security Department. In cumbent performs dispatching duties for the China Lake Police Division and maintains radio communications with NWC guard posts, Fire Division, Naval Investigative Service, and off-Center police agencies. He coordinates and controls radio traffic between police units; responds to requests for assistance by police units and / or notifies appropriate source, furnishes requested information to the public, or refers to appropriate authority. The incumben maintains radio, telephone, and key logs, property passes, and the daily summary report. He may issue gate passes and mail traffic citations. Job Relevant Criteria: Ability to communicate clearly, both orally and in writing; experience in radio communications; ability to work effectively in stress situations and under pressure ; ability to type forms and reports. Promotion potential to GS-4. (2 vacancies.)

June 16, 1978

File applications for the above with Charlotte Sieckowski, Bldg. 34, Rm. 204, Ph. 3118.

Mechanical Engineering Technician, GS-802-7 / 8 / 9, PD No. 7832036, Code 3262 - This position is located in the Explosives Technology Branch, Conventional Weapons Division, Ordnance Systems Department. Incumber assists in the modification of new and existing equipment required for the test of various explosive systems and applied explosive research. Fabricates extremely precise test assemblies, utilizing a variety of metal working machines, polishing equipment, etc. Assists in the preparation of test facility for measurement of detonation velocity, shock wave and detonation pressure, wave from distortion. Troubleshoots malfunctions in firing system camera controls and associated electronic equipment. Job Relevant Criteria: Knowledge of basic principles of ngineering, electronics, and photography; skill in use of machine tools and precision measurement equipment knowledge of safety aspects of explosive handling.

Crane Operator, WG-5725-11, JD No. 187-2, Code 26783 -This position is located in the Hoisting Section, Operations Branch, Transportation Division, Public Works Depart ment. The incumbent operates and maintains electrical gasoline and diesel - powered wheeled or crawler type cranes, power shovels, and clams, stationary winches and railroad locomotives. The crane operator hoists and swings materials, such as armor plate targets and barricades, machinery, buildings, concrete, specia launchers, missiles, camera towers, and communication poles and towers; and equipment and personnel with cranes up to 165 ft. heights. The incumbent also digs and loads dump trucks for construction, digs out and cleans drainage ditches, and lubes and oils equipment as required. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to perform operational maintenance; reliability an dependability; ability to interpret instructions. specifications, etc., ability to operate safely. File applications for the above with Mary Morri

Bidg. 34, Rm. 210, Ph. 2032. Test Mechanic (Experimental Electrical Equipment WG-2881-8/ 11, JD No. 131-5, Code 6123 - This position it located in the Aircraft Configuration Section. Duties are to make, modify, install and repair electrical portions of experimental aircraft fire-control systems, devise, install and repair missile cable harnesses, launchers, connectors power supplies and other peculiar equipment, and to in stall and remove aircraft electrical equipment. Jo Relevant Criteria: Ability to do the work of the position without more than normal supervision; theory and in struments (electrical used in shop and trade practices)

(Continued on Page 4)



### **DIVINE SERVICES**

DIVII	IL SERVIC	LJ
	PROTESTANT	
Sunday Worship	Service	1015
Sunday School -		0900
Sunday School C	classes are held in Chap	el Annexes
1, 2, 4, (Dorms 5 Center Restaur	5, 6, 8) located opposite ant.	the former
Communion Ser	rvice first Sunday of t	he Month.
	ECUMENICAL	
Wednesday Noo	and the second se	1130
	Prayer Breakfast	0630
R	OMAN CATHOLIC	
	MASS	
Saturday	1700 fulfills Sunday	
Sunday		0830 1130
Nursery, Chap		0815-1245
Daily except Sa	turday, 1135, Blessed	Sacrament
		Chapel
	CONFESSIONS	
Daily		1115 to 1130
Saturday		1615 to 1645
Sunday		0800 to 0825
RELIGIO	US EDUCATION CLAS	SES
	First thru 6th grades	1015
	e-school & kindergarter	1 1115
	& eighth (Junior High)	1900
	are held in the Chape	
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Sunday evening As announced		
As announced	"In Home" Discuss	
		uth Rallies
	n's Office for specifics	
and the second second	EWISH SERVICES	
	NG-ALL FAITH CHAR	EL
Sabbath Services	s every Friday	1930
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Services—(Sept.-May)

1930

Sunday

### Alumni games...

and Terry McRoberts.

### Youth Center to begin

summer operating hours Beginning Wednesday, June 14, the NWC

Youth Center will go on summer operating hours. period, June 14 through Sept. 1, will be 1 to 5 p.m. bership.

Individual membership fees are \$6 and a family membership for three or more is \$18. The Youth Center recently moved to the Youth Gymnasium on Richmond Road across the street from the Navy Exchange service station.

### Hawks clip Raiders in intramural fast pitch softball action

In the women's division, the Merchants remained undefeated by picking up a pair of wins at the expense of the Flower Shop, 17-3, and also outscored the CSC team, 13-5.

Right on the heels of the division leaders is the Time Out team, which posted its fifth straight win of the season last week - a 22-7 victory over JD's. In the only other women's division game

played last week, the Frisbee nine handed a 23-14 setback to the Charlie Browns. In the American and National Divisions of

the men's slow pitch competition, both the Homestead team and the Zephyrs remain unbeaten with records of 8-0 and 7-0. respectively.

The Homesteaders crunched the Black Sheep, 21-7, while the Zephyrs pounded the Rat Pack, 14-10, in the two games played by the division leaders last week.

A surprise of the week was Grand Good's

17-7 win over Shackletts - a team which at the end of last week's play was tied for second place in the National Division. The victory by Grand Good was only its second in eight games.

Results of other games played in the men's slow pitch competition were: Pizza Villa, 34, CSC 7; Marauders 12, CSC 2, and Knights 23, NWC O's 6.

Burroughs High grads of the pre-1972 period who will be vying in the lid-lifter on tonight's basketball action will be Duke Martin, Tom Chapman, Robert Carter, Dan Barton, Jimmy Ayers, Scott Shacklett, Al Sorenson and possibly Roger Martin, who will make up the team from among those who were graduated in odd-number years. Their opponents will be Tom Kline, John Martin, Randy Jaramillo, Steve Quinton, Bill Fitzer, Larry Gill, Tom Mather, Vick

Jensen and Jerry Ciffery. In the second alumni basketball game for younger players who have graduated since

1972 are Benny Vick, Kevin Silberberg, Robert Campbell, Ed Kumfermann, Mike Graham, Mike Harrison, Mike Bachman and Mike Breeden - all graduates in oddnumber years - will tangle with Bill Campbell, Mason Basemore, Bill Doremus, Tom Flournoy, Drew Martin, Jerry Pangle, Mitch Strommen, Art Oestrich, Will Levy

#### June 16, 1978

An upset, 8-4, win by the Navy Hawks over the Ridgecrest Raiders highlighted last week's action in the men's fast pitch division of the China Lake Intramural Softball League.

Because of the Burroughs High School graduation on June 8, just two games were played last week in the fast pitch division. In the only other contest, Fisher Plastering defeated Nelson Auto, 6-3.

(Continued from Page 7)

Moseley, and Joe Mallory, linebackers; Bruce Livingston, offensive guard; Ed Paine, Mike Pangle and Bob Beecroft, defensive backs

Until July 21, these hours are from 10 a.m. until 9 p.m. weekdays, and then, from July 22 through Sept. 1, the Youth Center will be open weekdays from 9 a.m. until 9 p.m. Saturday operating hours for the entire

To check out equipment and use the gymnasium and game room, children and youths must have a Youth Center mem-



#### **By Dan Tikalsky**

In 1959 when Fidel Castro closed the gates of the Naval Base at Guantanamo Bay to the rest of Communist-dominated Cuba, many Cuban workers on the base chose a self-imposed exile and remained permanently on the American side of the fence.

As these workers advance in age and retire, they are allowed to emigrate to the United States, and in the early '70s, the U.S. Navy faced the dilemma of how to recruit new employees.

Much of the credit for solving this problem can be attributed to this week's Employee in the Spotlight - Warren C. Sherard, Jr., head of staff for the NWC Safety and Security Department.

In 1971, Sherard was administrative officer for what was then the NWC Weapons Development Department Anti-Radiation Guidance Division. One day, while leafing through some promotional opportunity leaflets, he came across an administrative officer vacancy with the U.S. Embassy in Kingston, Jamaica.

#### **Recruited Jamaican workers**

He applied for the job and was accepted. When he arrived at the new post, he was assigned responsibility for recruiting Jamaican workers to replace the aging Cuban employees at Guantanamo Bay.

"I was thrown into the job, without supervision when I first arrived," Sherard said, adding that he soon discovered that he faced several obstacles

Not the least of these obstacles was being dropped into cultural environment completely foreign to the 42-year-old native of Detroit, Mich.

But, he learned that the natural differences between American and Jamaican cultures would help him solve most of the problems he faced instead of amplifying them.

"The Jamaicans form long-lasting and endearing friendships," he said. "They have a sincere approach to everything, and they are not in a big hurry to get things done. But, they are in a hurry to be of help.'

Sherard soon discovered that the Jamaican government officials and business executives would assist him every way that they could, and they helped him to survey the labor market and in his recruiting efforts.

#### American supervisors needed convincing

More of an obstacle was convincing American supervisors in Guantanamo Bay that the Jamaicans' easier-going life style was not an indication of laziness. He did this through a cultural exchange program where Jamaicans visited the Cuban base and base supervisors visited businesses in Jamaica.

The Americans soon discovered that the Jamaican labor force was made up of highly-skilled workers and professionals. Jamaican businessmen and government officials began to view the recruiting program as an opportunity to increase the overall competence of their labor force.

"So, in a few months I worked myself out of a job," Sherard said.

But the Navy did not let his background in Jamaican labor relations pass into disuse, and Sherard was transferred to Guantanamo Bay where he took charge of training program for the new workers.

It was Sherard's second assignment to the base. He had been a budget analyst in the Public Works Department there several years before.

With their backs to the sea and completely cut off from physical contact with the rest of Cuba, to persons living at

Guantanamo Bay, conservation is a way of life, Sherard said. The base manufactures its own water and generates its own power. Water can be used for gardening only one hour per day, three days a week.

When the water desalinization plant is shut down for maintenance, the entire base is without water and power, Sherard explained.

The reason for Guantanamo Bay's self-reliance is so the base will not be subject to the whims of Castro and his Communist regime. The isolation, however, is not complete. There is still a steadily diminishing corps of "commuters" - Cubans who live in Cuba and work on the base.

They number about 300, compared with more than 700 Jamaicans, plus the "exiled" Cuban workers.

#### **Communist guards harass workers**

The commuters still work for the U.S. despite the hardships they face at the hands of the Communists. Sherard said that the Cubans must stand in line for long periods to be searched by Communist guards. He said that he has seen them wait for hours in the rain.

But, he pointed out, because of the scarcity of work and good pay they receive from the Navy, Cuban workers hang on to their jobs in hopes that someday the U.S. and Cuba will normalize relations.

Cuban workers at Guantanamo also get a break when it comes to buying scarce items of food. Sherard said that many of them eat three meals a day on the base so the rest of the members of their families can share hard-to-get items.

He said that sometimes the Cubans get up at 2 o'clock in the morning to stand in line so that they can buy fresh meat when it is available.

Sherard left his job as head of training for the Guantanamo Bay Consolidated Civilian Personnel Office to take his present NWC post in March of last year.

He received a letter of appreciation from RAdm. Ralph M. Ghormley, the Guantanamo base commander, for his accomplishments in inter-cultural labor relations. But, he said, much of the credit for his ability to understand Jamaican culture should go to his wife, Beverley - a native Jamaican whom he met and married in Kingston.



CONGRATULATIONS DUE - Gerald R. Schiefer (r.), head of the Electronic Warfare Department, congratulates four employees from that department who recently received patent awards. The recipients are (I. to r.): Robert E. Hunt, Reuben E. Nyswander, Richard P. Gagliardi and Robert L. Gerber. Hunt's patent is entitled "Method of Making a Reticle-Lens." Nyswander patent is for a "Short Pulse Solid State Magnetic Modulator for Magnetron Transmitter," and Gagliardi received a patent for a "Self Screening Magnetron Broad Band Pulsed Jammer." Gerber was awarded a patent for a "Weather Modification Automatic Cartridge Dispenser." -Photo by Ron Allen

### Two hunter safety classes scheduled by Special Services

The Special Services Division will offer two hunter safety courses this summer which will qualify persons attending for a California hunting license.

The courses will be conducted from 8 a.m. to 1 p.m. on June 24 and 25 and on July 8 and 9 at the Sierra Desert Gun Club on Sportsman Road on the Center.

Fees are \$5 with \$4.50 refundable upon completion of the course.

Registration for the first class will be accepted through June 22 and for the second class through July 6.

These will be the only two hunter safety classes this year, and successful completion of this or a similar course is a mandatory prerequisite when applying for a California hunting license.

Space is limited and information on where and how to register may be obtained by phoning the Special Services Division on NWC ext. 2909 or 3097 between 7:30 a.m. and 4:30 p.m. weekdays.



ROCKETEER

Page Seven

Warren Sherard

#### Page Six

ROCKETEER

### Burroughs alumni teams face off this weekend

Burroughs High School alumni who have fullback Roy Franich and flanker back played on basketball and football teams for the Burros will be back in action tonight and tomorrow afternoon at the local high school gym and athletic field.

As a prelude to what will be the second annual alumni football game at 4 p.m. tomorrow at the athletic field, two alumni basketball games are on tap this evening at the BHS gym.

Coaches Larry Bird and Frank Mazer will direct two teams composed of pre-1972 alumni basketball players starting tonight at 7, with a second game to follow at around 8:30 between teams made up from former BHS cagers who have graduated since 1972.

Players who were graduated from the local high school in even-numbered years will oppose their counterparts who received their diplomas in odd-numbered years.

#### Tickets Priced at \$2.50

Tickets priced at \$2.50 each are on sale for either the basketball games or tomorrow afternoon's alumni football game, and all proceeds will go into a Burroughs High School stadium improvement fund that is being raised by the Indian Wells Valley Century Football Association.

Ticket stubs from either the basketball games or the football contest also will be good for admission to a dance on Saturday from 8 p.m. to 1 a.m. at Joshua Hall on the Desert Empire Fairgrounds in Ridgecrest. Music for the dancing and listening pleasure of those who gather to socialize and reminisce about the weekend's sports events will be provided by the "Sounds of Country" music group.

#### **Dance Set Saturday Night**

Those unable to attend either the alumni basketball and football games may still attend the dance by purchasing a ticket at the door at Joshua Hall tomorrow night. The admission price is the same - \$2.50.

Tickets can be purchased in advance from any member of the IWV Century Football Association, from the receptionist in the lobby of Michelson Laboratory or from the Burroughs High School Athletic Department, as well as at the following business places:

Charlon-Simolon Motors, Baker Brothers Furniture, Hucek Travel Service, Victory Market, and at the Buttermilk Acres store on Inyokern Rd.

Duke Martin, coach of the alumni football team made up of graduates from oddnumbered years, announced that he plans to start Rick Jaramillo at quarterback, and intersperse the team's inside and outside running attack with short passes.

Joining Jaramillo in the backfield on offense will be running backs Mark Mc-Dowell, Gene St. Dennis and Rich Lasell,

Rudo Muro. Eric Hattabaugh will be called on to handle the backup quarterback duties, and also will play a defensive backfield

The Martin-coached gridders also will include John Livingston at center and interior linemen Don Pearson, Carl Smith, Rick Featherston, Alan Robinson and Tom

Those slated to see action at the end positions are Ken Hill, Justin Cowles, John Roach, Mike and Bill Gifford and Roy Franich, while Mike Kinne has been tabbed

for one of the linebacker spots.

Gary Charlon, at fullback, is the playercoach of the alumni team composed of graduates from even-numbered years. While additions to the roster are expected as late arrivals show up for practice, at the Rocketeer deadline time, the roster for the Charlon-coached team included the following

Louis Pelupessey and Les Basemore, quarterbacks; Mike Stoner, halfback; John Broyles, slotback; Mike Hicks and Jess Teate, split ends; Bryan Yingst, end; Ed Brooks and Jim Means, tackles; Glenn (Continued on Page 7)



SUMMER GRID TILT SLATED - Five former Burroughs High School gridders who are looking forward to vying in the second annual alumni football game are shown preparing for tomorrow afternoon's game. Lined up behind Les Bazemore, the guarterback, who is waiting for the ball from the center, John Broyles, are (I.r.) Rick Lovern, Dave Rivera and Gary Charlon-right half, fullback and left half. respectively. They will play for the alumni team that is to be made up from players who were graduated during even numbered years. -Photo by Alan Fry

### Four local teams to compete in 24-hr. relay race at Victorville

The Indian Wells Valley will be well represented in the annual 24-hour relay race staged by the City of Victorville's Recreation and Parks Department.

Object of the race, which will begin at 9 a.m. tomorrow and finish at 9 a.m. on Sunday, is for the 10-member teams to run as many miles as possible within the 24-hour period.

Before starting the race, each team must decide on the order its members will be running, and this order must be retained throughout the relay. A runner must complete exactly one mile each time it is his or her turn to run.

If a runner drops out during the running of a one-mile leg of the relay race, no part of that mile counts in the team's total, he or

she is out of the relay and the next runner on the team resumes the race. Victims of what its members call the "24-

hour madness," the Over-the-Hill Track Club has entered teams in this event at Victorville for the past four years, and tomorrow will have two teams competing in the open division, and one in the masters' division. In addition, there will be another team from the local area made up of Burroughs High School faculty members and their spouses who will be entered in a mixed division for both men and women runners.

This 24-hour team relay is reported to be part campout, picnic, circus, race, endurance contest and, some add, "forced march." Members of the local teams that will compete in this event are:

In the masters' division - Dave Rugg, John Anderson, Ray Jacobson, Joe Kovar, Gerald Ansell, William Broyles, Dave Lehman, Jerry Banister, Alex Shlanta and He gave up just three singles and walked Marvin Powers.

In the open division - Jack Clark, Frank Freyne, Paul Tjogas, John Kajiwara, Dwight Modrell, Eric Kajiwara, Gene Simpson, Robert Smith, Melvin Foremaster and Phil Vanderwerf (team No. 1), and Paul Storey, Tom Veatch, Steve Tanner, Byron Richardson, Ray Rohert, Gerald Stevens, Dave Kurdeka, Jim Dixon, Danny Rugg and Mike Stringham (team No. 2).

In the mixed division - David Bens, Linda Bens, Bob Gilkenson, Mike Johnson, Frank Mazer, Marla McBride, Betty Miller, Terry Roberts, Gene Vejtasa and Nancy Webster.

The Over-the-Hill Track Club's annual "victory celebration" and "end of the season" party will be held on Monday, starting at 7:30 p.m., at Trader Mays.

All OTHTC members, 24-hour relay teams, and other local area runners and joggers are invited to attend. Special guests will be Dr. and Mrs. Gerald Ansell, who will present a report on running in New Jersey. Club business to be taken care of at Monday night's meeting will include the election of new officers and the adoption of a 1978-79 schedule of events.



### Victory in tennis tourney moves NWC into lead in MDISL

The Naval Weapons Center has moved into first place in the Mojave Desert Interservice League standings for 1977-78 as a result of winning the tennis tournament held here last weekend.

The China Lakers won three of the four tennis tourney events - placing first in the senior division singles and doubles competition, and also winning the open divison doubles

Bob Forrester of China Lake defeated John Kerr of Norton Air Force Base, 6-0, 6-2, to win the senior singles title. Forrester then teamed up with Nick Schneider to post a 6-3, 6-2, victory over Kerr and Ken Wolfe of Norton AFB in the senior doubles event. Dick Boyd and Steve Lyda represented NWC in the open doubles competition,

which they won in two sets, 6-3, 6-4, over Bob Cucchiella and Tod Leman of Edwards Air Force Base. In the second set of the match which decided the open division doubles cham-

pionship, Boyd and Lyda were trailing 3 games to 1, but rallied by winning three straight games and went on from there to win, 6-4.

Cucchiella of Edwards AFB won the singles championship by scores of 6-3, 3-6, 6-2, from William Wilson of Nellis AFB.

The victory in tennis boosted NWC into the lead in the MDISL standings with a total of 50 points, followed closely by Edwards AFB with 48, Nellis AFB in third place with 46, Norton AFB in fourth with 45, and March AFB in fifth with 44.

### Yankees win fourth straight in 2nd half of Little League play

The Yankees, first half champs in the Major Division of the China Lake Little League, are continuing to set the pace during the latter half of the season as well. Last week, the Yankees handed a 6-1 setback to the Dodgers, their nearest rivals, as they picked up their fourth straight win since the second half of the season began. Danny Means pitched the whole game for the Yankees in their win over the Dodgers.

Also last week, the Yankees and the Tigers hooked up in a pitcher's duel which the Yanks won, 2-1, Steve Vie was the winner for the Yanks. Scores of other Major Division games were: Dodgers 18, Wildcats 3; Giants 17, Wildcats 0, and Giants 16, Tigers 7.

Three games were played in the Minor Division. The Cardinals and Royals, who are tied for the division lead, each added another win to their second half record. The Cardinals clubbed the Indians, 18-12, and the Royals edged the Astros, 12-10.

Pete Aguon and Bryan DeKay tallied three runs apiece for the Cardinals in their win over the Indians. Aguon had three hits and drew one walk in four times at bat.

In another Minor Division tilt, Jeff Lillywhite collected two extra base hits, was issued two walks and scored four runs in four trips to the plate as he led the White Sox to a 19-7 win over the Pirates.

Results of games played in the Farm Division were: Expos 11, Reds 11 (tie); Reds 20, Mets 15; Cubs 22, Red Sox 9; Cubs 19, Padres 8; Mets 36, Red Sox 11, and Angels 20, Expos 3.



YOUTH SOCCER CHAMPS - The Apollos emerged as champions of the Youth Center Soccer League's American Division by posting a record of six wins, no losses and two ties during the recently concluded spring season of competition. The players are (kneeling, from left) Chris Johnson, David Stocking, Tony Haaland, Brian Finley, Shannon Haaland, Greg Phillips, and (standing, I.-r.) Ben Newport, Nick Holzer, Peter Hueber, Garrett Osburn, Eric Hampton, Bill Finley, Bryce Richards and Carolyn Stephens. The team's two coaches (standing in background) are Tom Hampton (at left) and Sterling Haaland. Two of the players, Mike Burns and Eddie Smith, were unable to be present for the photo.

June 16, 1978

June 16, 1978

Page Three



MAJOR COMPONENT - The optical subsystem, one of the major components of HYTAL, is examined by Larry Stephens (at left) and Danny Morris to make sure it is ready for performing its important function of tracking the unmanned aircraft.

### **RPV** recovery guidance system automated . . .

(Continued from Page 1)

matically landing a QH-50C remotely controlled helicopter with the HYTAL system. This effort involved providing a full-scale simulation of the QH-50C control dynamics along with the HYTAL sensor performance characteristics to determine the vehicle control equations.

In addition, the QH-50C was modified to accept and interface with signals from the HYTAL system.

Accomplishments to date in the HYTAL program have been the result of a cooperative effort among the different directorates and departments of the Naval Weapons Center. Involved were the Aircraft Department's Targets Division (Code 613) the Dynamics and Control Branch (Code 3914) and the RPV Technology Branch (Code 3925) in the Weapons Department, and the Fuze and Sensors Department's Systems Study Branch (Code 3311). Principal Design Engineer

The principal design engineer for the HYTAL program is Joe McKenzie (Code 3311), who is directly responsible for the design of the optical tracker and ranger, the RF to optical hand-off processor, and the automatic control processor design and programming, as well as coordination of all interfaces with the QH-50C modification and simulation.

The design and fabrication of the RF approach control subsystem was the responsibility of Dan Goss (Code 33303) and Harold Jaeger (Code 3312), assisted by Mits Hata (Code 3312) and Dan Morris (Code 3311). All four are electronics engineers.

Optical tracker hardware development was the responsibility of Larry Stephens, with an early assist from Pete Leet and Jim Mott of the Systems Development Department, while Tom Loftus built the optical ranger. Stephens and Loftus are both

#### Job in Alaska... (Continued from Page 1)

26, reported.

Two geothermal exploration observation holes were drilled last summer on the Island of Adak - one to a depth of 1,000 ft. and the other 2,000 ft. into the ground. Thermal gradient data is obtained by lowering temperature probes down the drill hole and recording the temperatures at various depths, including the bottom of the

The next step will be to complete an evaluation of the drill holes in order to determine if there is a sufficient geothermal energy potential to warrant a continuation of the development program, Dr. Austin

said.

This effort is part of a continuing investigation of the feasibility of harnessing geothermal energy for space heating and electric power production for military installations and other facilities on the Island of Adak. The project is being funded by the Naval Facilities Engineering Command.

electronics engineers in Code 3311. The QH-50C modification and support

effort was provided through the RPV Program Office in Code 392, headed by Curt Bryan. Design and modification of the QH-50C helicopter to interface with the HYTAL system was the work of Jay Bornfleth (Code 1925), while Bruce Hardy (Code 3914) provided an analog simulation of the QH-50C and the HYTAL sensor dynamics. It was this simulation that was used to develop the microprocessor software for controlling the RPV's automatic landing. Before he left the Center, Randy Sturgeon (also Code 3914) had a part in some of the initial control systems design.

The QH-50C is normally configured to be flown remotely by a drone pilot using a "joy stick" and operating console. In the recently conducted tests, Harlan Reep from the Targets Division of the Aircraft Department provided the manual backup drone control. Controlling the QH-50C during the initial part of the demonstration tests, Reep handed off control to the HYTAL system for the RPV's automatic flight control and landing.

Another Targets Division employee involved in the test and development program and his contributions was Joe Chesney, an instrument mechanic, who conducted all the avionics checks on the QH-50C helicopter. In addition, Harold Cummins (Code 0631) was in charge of range scheduling. The helicopter itself was maintained by personnel of the Vought Corp. under a contract with the Navy.

Bornfleth, head of the Weapons Department's RPV Technology Branch (Code

3925) handled the HYTAL helicopter interface design, while Al Sorenson, an electronics technician in Code 3925, was responsible for modification, test, and check-out of the modified helicopter

A follow-on phase of this program will be to conduct a similar demonstration aboard a ship at sea. The developers of HYTAL are confident that their system has the potential for solving many of the Navy's aircraft recovery problems.

Since the program's beginning, work on HYTAL has been supported by the Naval Air Systems Command

### **Charter officers to** be installed by IWV chapter of F.E.W.

Presentation of the charter and installation of the group's first slate of officers will highlight a dinner meeting of the Indian Wells Valley chapter of Federal Employed Women (F.E.W.).

The meeting, which is open to all interested persons, will be held next Wednesday, June 21, starting at 7:30 p.m. at the Indian Wells Lodge on Highway 14.

The installing officer will be Grant Williams, NWC's Deputy Equal Employment Opportunity Officer. Officers to be installed are Margy Zinke, president; Glenda Yu, vice-president; Wanda Clark, secretary, and Diana Johnson, treasurer. Reservations to attend, which must be

made no later than Monday, can be made by calling Charlotte Paulsen at NWC ext. 2151, or (after working hours) at 375-8217.



DATA FED INTO MICROPROCESSOR - Joe McKenzie, principal design engineer for the HYTAL program, enters the coordinates of the RPV landing site into the microprocessor memory prior to beginning a test flight of the QH-50C.

# **Electronics engineer from Korea** involved in training program here

A 26-year-old Korean electronics engine- works in the Korean Defense Development er has been assigned to the Systems Agency's Control Systems Design Branch Development Department's Engineering and will return to that post upon completion Services Division for training in electronic of his training here. prototyping and packaging.

Presently in the division's Microelectronics Branch, Cheol Hwa Lee is learning how to design and fabricate microelectronic components.

Lee is from Taejeon, Korea, where he is assigned to the Agency for Defense Development. He reported to NWC last February for six months of training under the Korean Science Exchange Program, which is jointly sponsored by the governments of Korea and the United States.

The United States provides the facilities and expertise for the on-the-job training while the Korean government pays salaries, transportation costs and other out-of-pocket expenses.

The Korean science exchange engineer

Lee is a graduate of Seoul National University and holds a BS in electronics engineering. This is his first trip outside his native land

The program's NWC contact officer is Conrad Neal, head of the NWC Fleet Support Office.

Lee, who lives aboard the Center, said the things he likes most about America are the number of conveniences and luxuries available to the average person, the amount of free time available to most persons so they might enjoy these conveniences and luxuries, and the opportunity to work.

"Everyone can have a job if he wants one," he observed.

In Korea, most people cannot afford the conveniences and luxuries that many people in America take for granted, Lee

However, he pointed out that the basic necessities of life are cheaper there. For example, the cost of clothing and food is one-third what it is here, and people do not



Cheol Hwa Lee

need private automobiles because public transportation is plentiful and cheap.

It is possible to travel anywhere in Seoul, Korea's capital city, for less than \$2, he explained.

Although the price of basic needs is lower in Korea, so are salaries. The average professional employee earns about \$500 per month there compared with between \$1,500 and \$2,000 a month in this country.

Lee said that he does not own a car in Korea but had to buy one here because a private auto is a necessity in this country.

Most people in his country do not own automobiles, although they are becoming more popular. Among those who do own cars, most have purchased the Koreande "Pony," which costs about \$5,000 and resembles a Datsun in size and appearance, he said.

The U.S. Navy participation in the Korean Science Exchange Program is coordinated by the Assistant for International Research and Development to the Deputy Chief of Naval Operations for Research, Development, Test and Evaluation in Washington, D.C.

### Blue Cross insurance rep. to visit NWC on June 28

Jean Sainsbury, Blue Cross / Blue Shield insurance representative, will be at the Community Center on Wednesday, June 28, from 10 a.m. to 2:30 p.m.

Enrollees in this health insurance plan who wish to talk to Ms. Sainsbury will be seen on an appointment-only basis.

Beginning Monday, a sign-up sheet will be available at the front desk of the Community Center for those who wish to see the Blue Cross/Blue Shield respresentative.

Individuals must sign up for themselves - not merely call the Community Center and ask that their names be placed on the appointment sheet.

Page Four

June 16, 1978

### **Applicants sought for Tech. Director** position in Office of Naval Research

An exceptional promotional opportunity exists for well qualified individuals interested in becoming a key member of the Navy's research and technology management team

The Chief of Naval Research has asked the Naval Weapons Center to circulate information announcing the vacancy of the position of Technical Director of the Office of Naval Research (ONR) to NWC employees.

The duties of this very important position include policy level direction of the programs of ONR, review and appraisal of the overall Navy research program, reallocation of independent research funds, and direction of the planning for long range research programs.

The Technical Director of ONR is responsible for planning, directing and coordinating the research and technology programs of that office as they are carried out by three Technical Directorates. Additionally, the ONR Technical Director assists the Chief of Naval Research in the management and technical control of ONR

### China Lake police investigate unusual type of vandalism

An unusual type of vandalism was investigated earlier this week by the China Lake Police Division.

In response to a call received at 2 a.m. Monday, a police patrol car was dispatched to the 100 block of Hornet Street to check on the complaint of a woman resident that a dump truck hauling a trailer was making an excessive amount of noise.

When the police patrol car arrived at the scene, the driver of the dump truck (which it turned out was hauling a trailer that had lost a wheel) abandoned the truck in the 200 block of Fowler Street and fled on foot.

Police searched the area, but could not locate the suspect.

Checking further into the incident, China Lake police discovered that the truck and trailer, which had been parked in the Public Works Department's roads and grounds compound, had been driven off by an unknown person or persons who had plowed through and flattened a 50 ft. section of chain link fencing that encloses the compound.

Apparently the individual or individuals involved in this escapade had first tried unsuccessfully to drive a pickup truck through the fence - causing minor damage to the pickup and some other vehicles parked nearby.

Investigation of this incident by China Lake police is continuing.

### New books listed at NWC library

A complete list of new books is available in the NWC library. Library hours are Tuesday thru Friday: 1-9 p.m.; Saturday: 12-6 p.m.

Centerites are reminded that all employees or military personnel, regardless of their place of residence, are welcome to use the NWC library.

FICTION

Emile Ajar - Momo. Desmond Bagley - The Enemy. Madeline Brent - Merlin's Keep. Constance Heaven - Lord of Ravensby. Richard Hirschorn - Target Mayflower John Ives - Fear in a Handful of Dust.

NON-FICTION

John P. Cohane - Paradox; Extraterrestrial Origin of Man.

George Nelson - How To See: Visual Adventures.

Richard Nixon - RN; The Memoirs. Ruth Noel - Mythology of Middle-Earth. Jacquelyn Rogers - You Can Stop; How To Quit Smoking.

Anwar Sadat - In Search of Identity.

#### laboratories and branch offices by coordinating the research activities of these field activities.

Applicants for this Public Law position must possess a Ph.D. or equivalent experience and 12 years of additional scientific/technical experience three of which must have included significant managerial experience in a multidisciplinary research and development field.

Experience must demonstrate that the applicant possesses the ability to plan. direct and coordinate a major scientific or technical program, have the ability to meet and deal with top level individuals in the Department of Defense establishment, Federal agencies and the scientific community in general, and demonstrated leadership capability.

Job elements that will be used to evaluate and rank applicants are: technical experience and knowledge; managerial experience; personal characteristics; and education developmental accomplishments. The duty station of this position is the Office of Naval Research, Arlington,

Individuals interested in applying should refer to Announcement No. 78-37, and submit a Personal Qualifications Statement to: Office of Naval Research, Director, Personnel Service Division, Ballston Tower No. 1, Rm. 823, 800 N. Quincy St., Arlington, Va., 22217.

The closing date for applications is June 30. Additional information can be obtained by calling Ms. Talbot at (202) 696-4708, or Autovon 226-5708.

### **Navy Relief Drive** tops \$4,200 mark; campaign ends today

The NWC Navy Relief Society fund drive had topped the \$4,200-mark Monday, as the campaign moved into its final week.

Today ends the month-long drive which is closing this afternoon with a slow pitch softball game between players representing the Naval Weapons Center and Air Test and Evaluation Squadron Five.

The game is scheduled to begin at 3 o'clock at Schoeffel Field, which will also be the terminus for the Fun Run marathon relay race from Kernville to China Lake.

The winner of the Ms. Navy Relief contest will also be announced at the conclusion of the softball game. Four military women are vying for the title. They are AN Korrine Bierman, AA Sherry Cundiff, AN Cynthea Dawson and HN Cheryl Gros.

This year, donations were given in the name of the candiates with each \$1 counting as a vote.



NAVY RELIEF BALLGAME -Practicing the ritual that will determine who bats first in today's Navy Relief slow pitch softball game between the Naval Weapons Center and Air Test and Evaluation Squadron Five are the coaches of the two teams - Lt. Nicholas R. Johnson (left), VX-5's A-7 systems officer, and Lt. Tommy H. Van Brunt, NWC Walleye project officer.



FIRE FIGHTERS' CONTRACT SIGNED - Rear Admiral William L. Harris, NWC Commander, affixed his signature Wednesday morning to a new two-year contract with Local No. F-32 of the International Association of Fire Fighters (IAFF). Present for the contract signing ceremony were Hal. B. Westfield (seated at left), a fire inspector who is president of IAFF Local 42, and Steve Sanders, chief negotiator for the NWC Negotiations Committee. Those standing are (1.-r.) Fire Chief R. E. Rightmer, Deputy Fire Chief L. O. O'Laughlin, Lt. F. D. Holley, a member of the union's negotiations committee, and D. J. Cortichiato, a labormanagement relations specialist in the Personnel Department. One other member of the union negotiating committee (Lt. L. Q. Rizzardini) was unable to be present for the photo. The contract covers working conditions and personnel policies, such as overtime, health and safety matters, promotions and disciplinary actions - but not wages -Photo by Ron Allen

# **Cost of living allowance problems** of fed'l employees handed to CSC

Civil Service Commission to study problems Allowance (COLA) program for federally employed civilian personnel and to recommend long term solutions to those problems while implementing short range solutions.

"The recent disagreements regarding the manner in which Cost of Living Allowances are determined, and reports critical of the COLA programs point to a need for a thorough re-evaluation of the entire COLA program," according to Commission hairman Alan K. Campbell.

To address the short range problems, President Carter will amend the Executive Order governing the COLA program. The amendment will restore COLA to some current federal civilian employment can be federal employees whose allowances were considered in determining COLA rates.

### **Promotional opportunities...**

(Continued from Page 2)

chnical practices (theoretical, precise, artistic); ability to use electrical drawings; ability to use and maintain handtools (electrical work). File applications for the above with Jan Nieberlein,

3ldg. 34, Rm. 204, Ph. 2577. Payroll Clerk, GS-544-3/ 4, PD No. 7117016N, Code 0864 - This position is located in the Pavroll Branch, Office of read and interpret blueprints, sketches etc.; ability to Finance and Management. Incumbent performs routine research of payroll records to correct leave data; prepares changes to employee's earnings, deductions and leave factors; prepares reports to leave availability, leave ransfers and earnings statements. Job Relevant Criteria: Knowledge of payroll / leave regulations; working knowledge of data processing; ability to work with figures; and ability to work under pressure. Status eligibles accepted. Potential: GS-5. Previous applicants need not reapply.

File applications for the above with Tina Rockdale, Rm. 206, Bldg. 34, Ph. 2676.

Planner and Estimator (Pipefitter), WD-4204-8, JD-400N, Code 2634 - This position is in the Engineering Division of the Public Works Department. The incumbent provides detailed manpower/material estimates in support of facility maintenance for the entire laboratory. This includes inspection, job write-up, and material lists and sketches for construction, alteration, repair and maintenance. In addition to normal duties, project coordinator duties are assigned occasionally. The incumbent inspects such items as heating systems, steam and compressed air systems, hot / cold water distribution systems, refuse / sewage treatment equipment, and allied equipment. Job Relevant Criteria: Ability to facilitate production; technical practices; ability to interpret instructions, specifications, etc.; knowledge of pertinent

materials; knowledge of pertinent tools and equipment. Air Conditioning Equipment Mechanic, JD 342/397, WG-5306-8/ 10, Code 26424, (2 vacancies) - One position in the Electrical and HVAC Branch and one in Structures Branch of the Public Works Department. The incumbent installs, maintains, and repairs refrigeration and air conditioning equipment and components including compressors, motors, evaporators, condensers, heaters, pumps, humidifiers, and other components in accordance with design specifications. Installs and connects control mechanisms; erects and repairs tubing and piping of refrigerant lines and connects same by brazing, silver soldering, soft soldering, and mechanical joints, connects

President Jimmy Carter has directed the reduced in recent years.

The COLA affects approximately 35,000 associated with the current Cost of Living federal civilian employees in Alaska, Hawaii, Puerto Rico, the Virgin Islands, Guam, and other U.S. territories and possessions.

> If the cost of living in these areas is found to be higher than the cost of living in Washington, D.C., federal civilian employees working in those areas will receive extra payments - up to 25 percent of their total pay — to make up the difference.

The President is suspending temporarily that section of the Executive Order that calls for the COLA to be reduced if lower living costs result from employees' access to government subsidized facilities. Under the temporary suspension, only those government facilities used as a result of

recording and gauging devices; initiates the operation o refrigeration systems, evacuating, and charging with refrigerants. Diagnoses improper operation; makes adjustments or repairs; replaces control or other componen parts. Tests for leaks using various methods and equipment. Job Relevant Criteria: Ability to do the work of the position without more than normal supervision; ability to

troubleshoot pertinent equipment; ability to use tools and measuring instruments; ability to install, repair, or maintain pertinent equipment.

Carpenter (temporary NTE 1 year), WG-4607-07, JD No. 344 N, Code 26443, (1 vacancy) - This position is in the Structures Branch of the Public Works Department. The incumbent works with qualified journeyman carpenter or under direct supervision of the foreman in all types of repair or minor construction from rough framing to finish rimming. Performs duties and tasks requiring more skills than the helper level up to and including tasks and duties of a journeyman. Duties are performed to increase knowledge of the trade and develop skills for advancement to the journeyman level. Work includes fabrication of shelving, hanging sash and doors, installation of hard. ware, laying flooring and ceilings, constructing concrete forms, roof repairs and installation of new roofing. Job Relevant Criteria: Technical practices; ability to interpret instructions, specifications, and blueprints; measurement of layout ; tools and equipment ; materials ; ability to do the work of the position without more than normal supervision. Outside applications will be accepted.

Carpenter, WG-4607-09, JD No. 177 N, Code 26443, (1 vacancy) - This position is in the Structures Branch of the Public Works Department, The incumbent builds, repairs, and installs various wooden articles and items; lavs and repairs various types of roof surfacing; and lays floor covering. Installs inside walls, laths, sheathing, floors, ceiling, stairs and inside trims; builds closets, counters, shelves, bibs, and similar structures; hangs doors and windows, and installs hardware; builds concrete forms; repairs and makes alterations to existing buildings. considering factors of structural strength as well as utility and appearance. Job Relevant Criteria: Technical practices; ability to interpret instructions, specifications, and blueprints; measurement and layout; tools and equipment; materials; ability to do the work of the position without more than normal supervision.

File applications for the above with Marge Stanton, Bidg. 34, Rm. 210, Ph. 2032

Class enrollment is being handled at the college Office of Admissions and Records. There is no tuition charged California residents attending Cerro Coso Community College. Students must pay for the cost of books and supplies, and certain courses also require a laboratory fee.

Brown, who received his BSEE and MSEE degrees from the University of Notre

Dame in 1958 and 1960, respectively, has done post graduate study in nuclear radiation effects on electronics at the University of New Mexico.

gear.

Registration for summer session classes at Cerro Coso Community College will continue next week from Monday through Thursday between the hours of 8 a.m. and 8 p.m. at the college. Enrollment in the short, six-week sum-

mer session (June 19 through July 28) is open to all high school graduates, nongraduates 18 years of age and over, and to high school seniors who have the prior written permission of their principal.

Included on the schedule of summer classes are a number of business courses which range from bookkeeping fundamentals to basic and advanced typewriting instruction. Also included is instruction in the use of office machines, record management and secretarial procedures.

#### June 16, 1978

ROCKETEER

**Page Five** 

### Two speakers at IEEE meeting to discuss 'Sneak Circuit Analysis'

Two employees of Systems Consultants, Brown, who is the membership director of and Electronics Engineers (IEEE).

from 11:30 a.m. to 1 p.m. in the Chart Room of the Commissioned Officers' Mess.

The speakers, whose subject will be "Sneak Circuit Analysis," will be Arthur F. Brown, manager of SCI's Systems Analysis Department, and Don Alderman, a senior engineering specialist with SCI.

Sneak circuit analysis is a computerized technique for finding unwanted circuits in the design of a radar, the control system for a weapon, or any complicated electronic

Brown and Alderman will discuss the history, techniques and applications of sneak circuit analysis. The technique was



#### Arthur F. Brown

developed originally by Boeing for the National Aeronautics and Space Administration, and has been adapted by SCI for use on military systems.

During 13 years at Sandia Laboratories in Albuquerque, N.M., he designed and developed several "hardened" electronics command control systems and a "hardened" electronic timer used in a nuclear warhead arming and fuzing system.

### **Registration still** open for summer classes at college

All of the office career courses will be taught by Jeannette Bournival except for the introduction to accounting class that is being taught by Roy Kennedy.

Inc., in Ridgecrest will be the featured the China Lake Section of IEEE, is a cerspeakers at the next meeting of the China tified reliability engineer and a member of Lake Section of the Institute of Electrical the American Society for Quality Control.

Alderman has been a senior engineering The meeting, which is open to all in- specialist for SCI in Ridgecrest since March terested persons, will be held on Monday 1976. He received his BSEE from Montana State University in 1968 and has completed



Don Alderman several courses for his master's degree in electrical engineering at California State University in Fullerton

Before joining SCI, Alderman was an employee of the Aeronutronic Division of Philco-Ford in Newport Beach, Calif. He was responsible for the design and development of a laser target designator used on the F-4 aircraft. In addition, he was involved in missile guidance electronics simulations and the development of a simulator used to analyze proposed modifications for such missiles as the Sidewinder.



CALMMS USER - Pam Marker, a statistical assistant in the Weapons Systems Cost Analysis Division, extracts information on a missile program from the Computerized Air Launched Missile Management System cathode ray terminal. She has just been instructed in the use of the terminal by Dan Brown, head of the Engineering Department's Data Acquisition and Control Branch.

### Computerized system can provide data on status of air-launched missile programs

computer terminals located at the Naval Weapons Center can now supply information on the procurement status of any Naval Air Systems Command air-launched missile program, according to Dan Brown, branch head.

The terminal, which is located in the branch's configuration management trailer aboard the Center, is connected to a centralized information source of data in Washington, D.C. that can be used for acquisition status analysis.

The system, known as the Computerized

# CONSER V/E/NERGY

ENERGY HOT TIP — Fluorescent lights are real energy savers and can be used in kitchens, baths, garages and hallways with substantial improvement in lighting performance. One 40 watt fluorescent tube provides more light than three 60 watt incandescent bulbs. A single conversion will save the average homeowner almost \$11 a year and conserve valuable energy in the process. Call the Energy Answer Man at NWC ext. 3741 for solutions to your household energy problems.



ON DISPLAY IN MICHELSON LAB - Denny Kline and Eloise Burklund look over the newest addition to the exhibits in the lobby of Michelson Laboratory. This display, which was arranged by Ray Sinnott, exhibits coordinator in Michelson Lab, features the Avionics Module Improvement Program (AMRIP) which is designed to provide improved capability for the repair of electronic modules and assemblies. The necessary tools and equipment to handle such repairs are included in the display. AMRIP classes are taught here by John W. Robertson and Bill Sake, electronics technicians in the Engineering Department's Fleet Engineering Branch. This NAVAIR-sponsored program was started when it became apparent that manufacturing and testing techniques had developed to a much higher technological state than electronic component repair procedures. The Naval Weapons Center is one of less than a dozen installations at which this training is available.

Data Aquisition and Control Branch Air Launched Missile Management System (CALMMS), expresses information useful to production managers and planners.

> The information is shown in several ways including: by components, by contract history, by temporary conditions, by tactical requirements and by contract schedules.

> CALMMS data also includes Department of Defense requirements by fiscal year, component sources and delivery data, including actual-to-date and forecast-of-future deliveries.

> CALMMS information is on-line and as up-to-date as possible, and it is designed to meet special needs in the management process

> Training on how to use the system and IBM cathode ray terminal for its acqusition may be obtained at the configuration management trailer, which is located just south of the Michelson Lab's Wing 1.

Persons desiring more information on CALMMS can call Brown on NWC ext. 2191. BHS grad finalist in

### annual Presidential **Scholars Program**

Andrew F. Sound, a graduating senior from Burroughs High School, has been named one of the 600 national finalists in the 15th annual Presidential Scholars Program.

The 600 are chosen from more than two million high school seniors who took either the Scholastic Aptitude Test of the Educational Testing Service or the ACT Assessment of the American College Testing Service in preparation for college entrance. Students may not apply and their schools cannot nominate them; the selection is made by the Commission on Presidential Scholars appointed by the President.

The selection of scholars is based on a number of factors in addition to academic excellence.

According to his father, Alan Sound, Code 0632, Andrew will attend California Lutheran College at Thousand Oaks starting next September.

#### **GEBA** assessment due

Assessments are now due from members of the Government Employees Benefit Association (GEBA) and the China Lake Mutual Aid Society (CLMAS) following the recent death of Francis R. Fisher. This is assessment No. 433.

Fisher, 59, was a retired former employee of the Engineering Department at the Naval Weapons Center.

In order to avoid taking up time at work, there are no more GEBA and CLMAS collectors on the job. Instead, members are asked to mail their assessments to Larry Mason, treasurer, at 1812-A Young Circle, China Lake, Calif. 93555.