





members of Sierra Chapter No. 17 of the Pearl Harbor Survivors Flag Day ceremony.

FLAG DAY OBSERVED — The local observance of Flag Day Association. The guest speaker (photo inset) was Robert Camp-(June 14) began at the Naval Weapons Center by the setting in bell, a past state chairman of the Pearl Harbor Survivors place of flags along Blandy Ave. by Boy Scouts of Troop 291 Association who is also a charter member of the local chapter. A (Ridgecrest) and Troop 3 (China Lake), under the direction of performance by the NWC Sidewinder drill team, under the Dan Banks, an NWC employee who is the assistant Scoutmaster direction of AZ1 John McClain; the recital of a history of the of Troop 291. That evening the traditional Flag Day ceremony was American Flag; the Elks Lodge floral liberty bell ceremony, held at the Ridgecrest Elks Lodge. The program opened with presented by officers of the lodge, and the ritual of burning old posting of the colors (top left) by a color guard composed of and worn out American flags were among the highlights of the - Photos by Tony Garcia

# 'Bang-up' 4th of July fete slated at fairgrounds

All Indian Wells Valley residents are he is still looking for sponsors for these part of the Fourth of July celebration. invited to a free Fourth of July celebration to be held at the Desert Empire Fairgrounds in Ridgecrest beginning at 2:30 p.m. on Independence Day and concluding at 9 p.m. with a fireworks display.

Tony Martin, chairman of this year's celebration, is coordinating plans for the admission-free community-wide event, which will include games and activities for persons of all ages.

A shaded outdoor picnic area will be available for the use of those who would like to bring their own picnic fare. There will also be charcoal-filled braziers heated and ready for use by those who wish to broil their own hamburgers, hot dogs or other

In addition, hamburgers and hot dogs will be on sale as will cold drinks and beer at booths on the fairgrounds. Martin said that

## Use of fireworks on board Center is prohibited

With the Fourth of July holiday fast approaching, this timely reminder has been issued by the NWC Safety and Security Department.

The use of fireworks by individuals anywhere on the Naval Weapons Center is prohibited. This requirement exists even though the City of Ridgecrest has permitted the sale and use of fireworks within the city limits.

Consequently, all China Lakers are advised that (in conformance with OPNAV 11320.15 and Section 4045 of the Kern County Fire Regulations) the sale, storage or use of fireworks on the Center is not permitted.

The only exception to this regulation is that "Sparklers" may be ignited when youngsters are under the personal supervision of an adult.

Chairmen are also needed for the greased

pole and tug of war events and for a horse- services to help make the celebration a shoe pitching tourney.

The watermelon and pie eating contests will be supervised by the Kiwanis Club of fireworks are now being accepted. In-Ridgecrest and the Rotary Club of China Lake / Ridgecrest, respectively.

For those who prefer being indoors during a summer afternoon, the air-conditioned Joshua Hall will be open. There, chairs will be set up, and music and other forms of entertainment are being planned inside as 1979.'

**Dining Facilities Open at Noon** 

The dining facilities of the Commissioned Officers' Mess, the Chief Petty Officers' Mess and the Enlisted Mess are open for lunch to all NWC employees, whether or not they are members of these clubs. This also applies to employees' dependents and

Also open for lunch are the facilities of the Golf Course snack bar and the Bowling Center and Plaza snack bars.

All of these facilities are open at least from 11 a.m. to 1 p.m., Monday through Friday.

CPO Club

Appearing tonight at the Chief Petty Officers' Club will be a contemporary rock group called "Easy Loving."

The group, which is a local Indian Wells Valley combo led by Paul Burns, will be playing for the listening and dancing pleasure of CPO patrons from 9 to 1 a.m.

The special for the evening in the CPO dining room is prime rib, which will be served from 6 to 9 o'clock.

"Any musical groups or other entertainers who would like to donate their

success, should call me," Martin said. Contributions to offset the cost of the dividuals or groups desiring to make the 1979 display "the best ever" should mail their donations to the Desert Empire Fairgrounds, Post Office Box 1179. Ridgecrest, CA, 93555. Checks should be made payable to "Fireworks Display for

Civic-minded groups or individuals interested in assisting with the Independence Day celebration by sponsoring games, special events, or entertaining are asked to contact Martin at the fairgrounds by calling 375-8000 as soon as possible.

## BHS Class of '69 to hold reunion here on July 6, 7

The '69 Committee has announced final plans for the 10-year reunion for the graduating class of 1969 from Burroughs High School on Friday and Saturday, July 6

Festivities will begin with a no-host reception at the Hideaway Restaurant in Ridgecrest at 7:30 p.m. on Friday, July 6. This will be followed by a family gettogether at the Kern Regional Park on Saturday, July 7, beginning at 10 a.m.

The final event of the reunion, a barbecued steak dinner and dance, is planned on Saturday night at the Chief Petty Officers' Club. A social hour starting at 6:30 p.m. will precede the dinner, and the evening will be rounded out by dancing to the music of "Zeppo," a 5-piece band from

Special event passes will be available at the NWC main gate for those who need them to attend the dinner-dance.

### Plans being made for annual Cub Scout Cub-O-Ree

Plans are being formulated for the annual Cub-O-Ree at Camp Jewett in the Greenhorn Mountains on Saturday and Sunday, June 30 and July 1.

All Cub Scouts in Indian Wells Valley are invited to attend. However, each youngster must bring an adult along with him.

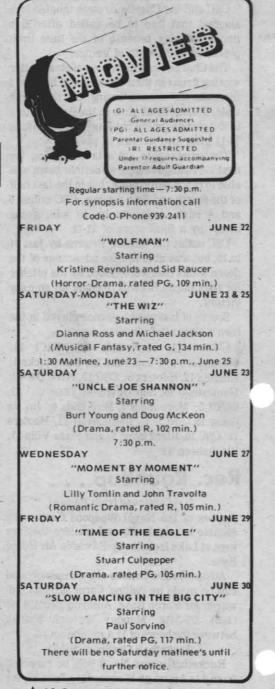
Check-in for the Cub-O-Ree will begin Friday night, June 29, and will continue through Saturday morning. The activities will not begin until 9:30 a.m. Saturday; consequently those arriving on Friday will have to provide their own recreational

Saturday activities will include archery, firebuilding, running an obstacle course, first aid instruction, and a big campfire that night. Although the Cub-O-Ree officially ends after the campfire, Cubs and their parents are invited to stay and camp overnight at Camp Jewett.

Activity equipment will be furnished along with wood and water. Parents and Cub Scouts must bring their own camping and cooking equipment, and food for the number of meals they plan to eat at the

To help defray the cost of the event and to pay for patches for the Cub Scouts, \$1 per boy will be charged.

For further information on the Cub-O-Ree, parents are asked to telephone Steve Loraine at 375-5294 between 7 and 9 p.m.



U.S. Government Printing Office: From:. PLACE STAMP HERE

# Capt. Haff to relieve RAdm. Harris as NWC Commander

that will terminate nearly two years as Commander of the Naval Weapons Center for Rear Admiral William L. Harris will take place next Friday, June 29, starting at 10 a.m. at the Administration Circle.

An invitation to attend the change of command ceremony is extended to all interested persons. Those planning to be present should arrive in time to be seated by

Stepping into the vacancy created by the departure of RAdm. Harris will be Capt. William B. Haff, who has been the NWC Technical Officer and Deputy Laboratory Director from 1975 to the present time. Capt. Haff, the 21st Commander of the

Naval Weapons Center and its forerunner (the Naval Ordnance Test Station), is a veteran of 28 years of service in the Navy. His active duty career began following graduation from the U.S. Naval Academy in 1951 and, a year later, he was designated a naval aviator after completing training as a student aviator at Naval Air Stations in Pensacola, Fla., and Kingsville, Tex.

During the period from 1952 through 1963, Capt. Haff was assigned (at various times)

to Fighter Squadrons 191, 124 and 111; served as a flight instructor at the Naval Air Station, Olathe, Kans. (1955-57); and spent two years (1957-59) at the U.S. Naval



Capt. Haff has twice won the

degree in aeronautical engineering.

He then attended the Massachusetts Institute of Technology during 1959-60 and was graduated with a master's degree in aeronautics and astronautics.

From 1963 through 1970, his steadily increasing responsibilities as a naval aviation officer included serving for a year as aircraft handling officer on the aircraft carrier USS Midway, as a U.S. Air Force Exchange Duty Officer at Norton Air Force Base in San Bernardino, Calif., and as Executive Officer and later Commanding Officer of Fighter Squadron 154, before becoming the Readiness Officer on the Staff of the Seventh Fleet from 1968-70.

This is Capt. Haff's second assignment to the Naval Weapons Center. During his first tour of duty here (1970-72) he was the Assistant Technical Officer (Air), and he subsequently served as the Sidewinder Program Officer for the Naval Air Systems Command in Washington, D.C., from 1972 to

Distinguished Flying Cross, is a holder of the Bronze Star with "V," has earned 21 Air

Postgraduate School, where he earned a BS Medals, and 5 Navy Commendation Medals.

The change of command ceremony will begin with a musical prelude by the U.S. Navy band from San Diego. To make it possible for all interested persons to attend, special event procedures will be in effect at the Center's main gate to permit visitors from Ridgecrest to join NWC employees and their dependents who wish to be present for this special occasion.

The guest speaker is to be Admiral A. J. Whittle, Chief of Naval Material from Washington, D.C., while Cdr. J. W. Patterson, Associate for Anti-Surface Systems in the NWC Weapons Department, will be the commander of the troops assembled for

Following the appropriate preliminary ceremonies, which will include the invocation by Capt. F. E. Whitaker, NWC Senior Chaplain, RAdm. Harris and Capt. Haff will quickly pass among the ranks of more than 300 NWC enlisted personnel, 45 chief petty officers and 30 officers assembled for the change of command

The official orders designating him as (Continued on Page 3)



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Navy Relief Drive Nets \$8,965.....3 AIM-9M Group Awards Presented.....4 Energy Saved Cooling Laboratory.....5 Gasoline Safety Tips Offered ......7 

CONGRATULATIONS EXTENDED - B. W. Hays (right), NWC Deputy Technical Director, presents the Technical Director Award to Max R. Smith in recognition of his outstanding effort as program manager of the Supersonic

# First successful firing reported of Supersonic Tactical Missile

supersonic tactical missile (STM) developed for the Navy by Vought Corp. of Dallas, Tex., was recently made over the Pacific Missile Test Center's (PMTC) range.

The STM is an advanced integral rocket / ramjet test vehicle being developed in a program at the Naval Weapons Center, sponsored by the Naval Air Systems Command.

Launched by an NWC A-7 Corsair II jet aircraft over the PMTC range, the high performance vehicle streaked approximately 90 miles downrange at an altitude of 35,000 feet and sustained speeds of about 2,000 miles an hour before executing a programmed terminal dive in to the Pacific Ocean.

The test vehicle was the first of an advanced, low-cost propulsion system delivered under the STM program by Vought. It was described as a major step toward development of a new generation of high-performance, air-to-surface tactical standoff missiles.

Vought is to produce four of the STM missiles under an initial \$8.4 million convehicle-propulsion (STV-P), which was just successfully fired, a supersonic tactical vehicle-guidance (STV-G), and two advanced tactical vehicles (ATV).

The next in the series to be flight tested will be the STV-G in about 18 months.

Meantime, the STM program people at China Lake will be making captive flight tests of what will ultimately be the guidance system for the STV-G. The microwave radiometer (MICRAD) terminal seeker, which is expected to be delivered by the end of June, will be integrated with the strapdown ring laser gyro inertial guidance system (ATIGS X-2) and flown in a captive

STM is the only one of its type flying in the free world today. It features a solid rocket and liquid ramjet propulsion system which makes use of a common combustion chamber. The vehicle burns its solid rocket fuel first and then uses the exhausted motor numerous technical problems were encase to burn conventional liquid jet fuel for countered during the missile preparation sustained high-speed, long duration flight powered all the way to its target.

(Continued on Page 3)

# **Smith receives Tech Director** Award for directing work on Supersonic Tactical Missile

Max R. Smith, program manager of the Supersonic Tactical Missile Office (Code 3904A) in the Weapons Department, received the Technical Director's Award in recognition of outstanding technical accomplishment during the Commander's meeting held Monday morning in the Management Center of Michelson Laboratory.

The award was presented by B. W. Hays, Deputy Technical Director, on behalf of Bob Hillyer, NWC Technical Director. Hays congratulated Smith for his leadership of the Supersonic Tactical Missile (STM) program, which was highlighted recently by the successful integration and launching of the STM from an A-7 Corsair II aircraft.

**Reasons for Success** 

In the letter of commendation from Hillyer which accompanied the Technical Director Award, it was noted that "the success of this mission was due mainly to your (Smith's) superior technical and management skills."

In addition to the letter of commendation, Smith also received an engraved paperweight, and will receive a small stipend which accompanies this special form of a Superior Achievement Award.

Smith was nominated for the Technical Director Award by W. B. Porter, head of the Weapons Department, who wrote that the STM integration and flight test was completely under Smith's control. Previous testing had been the responsibility of the

#### **Test Preparations**

Various sections of the missile were integrated, assembled, and checked out at China Lake, and the weapon was then loaded and flown to the Pacific Missile Test Center at Point Mugu for firing.

"Serious funding difficulties and period which threatened to abort the entire test," Porter pointed out. Despite these difficulties, the firing was successfully accomplished nearly on schedule, even

though it was under severe budget constraints.

Smith, who is a graduate of the University of Missouri's School of Mines, (where he received a bachelor's degree in mechanical engineering in January 1959), started to work two months later at China Lake. He was hired under the Junior Professional program and has remained here up until the

This week, however, he left for a yearlong assignment as Navy Science Assistance Program (NSAP) advisor to Vice Admiral Lee Baggett, Jr., Commander, Naval Forces Pacific, (Continued on Page 4)

### Parking space set aside for visitors next Friday a.m.

in order to insure adequate parking space for visitors and guests during the Naval Weapons Center change of command ceremony, NWC employees and military personnel are asked not to park their vehicles in the Community Center or Administration Building parking lots next Friday morning, June

The parking lot opposite the Technical Information Department's main building also is to be left open for visitors to the change of command

Next Friday morning, NWC employees will have free use of all parking spaces around Michelson Laboratory, since normally restricted parking spaces around the lab will be open to all users on a first-come, first-served

In order that all who wish to attend the change of command ceremony, may do so, an open gate and special event procedures will be in effect at the Center's main gate on June 29 from 8 a.m. to 3 p.m.



PUBLIC INFORMATION PLAN DISCUSSED — The Naval Weapons Center's proposed geothermal area development public information plan was the subject of a meeting held here last Saturday by a group of 12 officers and 8 enlisted personnel who are members of Naval Reserve Information Unit 119 of Los Angeles. The Naval Reservists, under the command of Cdr. Nat B. Read, Jr., regional director of Sears-Roebuck Co., were briefed on the Coso geothermal area development by Dr. Carl Austin, head of the Geothermal-Utilization Division, and Tilly Barling, of the Natural Resources Management Office. In addition, according to Vet Payne, (standing at left), NWC Public Affairs Officer, they reviewed the public information plan and came up with good suggestions on its implementation.

# **AECS Smith selected as VX-5's Chief Petty Officer of Command**

Senior Chief Aviation Electrician's Mate John Smith has relieved Chief Aviation Machinist's Mate K. E. Hunker as Air Test and Evaluation Squadron Five's Chief Petty Officer of the Command.

Chief Hunker was transferred earlier this month to the Naval Air Station, Whidbey Island, Wash,

AECS Smith, a 20-year Navy veteran, reported to VX-5 in January 1979 from the aircraft carrier USS Enterprise. He served aboard the Enterprise for about 31/2 years as night check production chief for the Aircraft Intermediate Maintenance Department.

As Chief Petty Officer of the Command, he will be the personal link between the squadron's enlisted personnel and their Commanding Officer. In addition, AECS Smith will be the advisor on enlisted problems to both the Executive Officer and the Commanding Officer of VX-5.

"I will be available to all squadron enlisted personnel to answer complaints that can not be answered through the regular chain of command." Senior Chief Smith said.

His other duty stations since entering the Navy in March 1959 have included Helicopter Squadron Six at the Naval Air Station, Ream Field in San Diego; Naval Air Station, Atsugi, Japan; and two tours at the Naval Air Station, North Island, San Diego, one with the Aircraft Intermediate Maintenance Department and the other with Composite Squadron Three; and Naval Air Station, Alameda.

He also had tours at the Naval Air Stations at Barber's Point, Hawaii, Midway Island, and Cubi Point in the Philippine Islands.

The Newton, Kans., native was graduated. from Newton High School in June 1956 before attending junior college in Ark City. Kans., for two years, majoring in business administration. During his last year in high school, he was a member of the school's basketball team which won the all-state

Chief Smith played basketball in the Navy during his first ten years of service, but since then has limited his participation in the sport to coaching.

He says that his new job as VX-5's Chief Petty Officer of Command will be a challenging one. 'For sure, it will never be repetitious and it is a people orientated job that I will really enjoy," Smith said.



**AECS John Smith** 

# The Rocketeer

Official Weekly Publication **Naval Weapons Center** China Lake, California Rear Admiral William L. Harris **NWC Commander** 

R. M. Hillyer **Technical Director** Dr. Robert H. Pearson

Head **Technical Information Department** Don R. Yockey Editor

> Ernest Sutton Associate Editor

**Beverly Becksvoort Editorial Assistant** Ron Allen

Staff Photographer



**News Stories** Tuesday, 11:30 a.m **Photographs** 

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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 employment 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. Information concerning the Merit Premotion 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 Opportunities column does not preciude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory 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 nonmerit reason. 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.

ectronics Technician, GS-856-7/8/9/10, PD No. 7835036-N, Code 3553 — This position is located in the Threat Radar Evaluation/Development Branch, Counmeasures Division, Electronic Warfare Department cumbent troubleshoots, repairs, aligns, calibrates and integrates radar modifications. Job Relevant Criteria: Knowledge of radar, sonar, or microwave systems; ability o maintain and operate test equipment (such as servo stem analyzers, RF frequency counters, sweep generators, etc.); knowledge of configuration nanagement and controls; ability to work from rough sketches and incomplete documentation; ability to communicate effectively orally and in writing; ability to work effectively with personnel at all levels.

Electronics Engineer, GS-855-14, PD No. 7935064E, Code 3522 — This position is that of head, Advanced Technology Branch responsible for exploratory, advanced and avionic and missile guidance systems. Duties are to manage the branch resources, to provide technical direction, to contribute directly to the design and ment of passive, active, semiactive and dualmode systems, to ensure systems are properly documented, to evaluate contractor reports and to be esponsible for land, sea and airborne evaluations of the above systems. Job Relevant Criteria: Extensive experience in the design and development of antennae. nicrowave component designs including solid-state apability; knowledge of monopulse direction finding mplementation and radio frequency test and evaluation: sperience with difficult design and development problems in the area of dual-mode seekers and passive, semi-active and active RF systems. GS-14 subject to classification by

Travel Office Supervisor, GS-501-8, PD No. 7908030, Code 08642 - This position is head of the Travel Office, Civilian Pay and Travel Branch, Accounting and Disbursing Division, Office of Finance and Management. The incumbent supervises 12 people including travel clerks, accounting technicians and voucher examiners. onsibilities include managing the office, providing technical assistance in travel and transportation matters, supervising the maintenance of subsidiary ledgers, the computation of travel entitlements and the processing of travel requests. Job Relevant Criteria: Ability to motivate, train, and work effectively with subordinates who have a variety of backgrounds and training; ability to comnunicate with others both orally and in writing in working out solutions to problems; knowledge of double entry accounting procedures; knowledge of DoD, Navy and NWC

File applications for the above with Terry George, Bldg. 34, Rm. 208, Ph. 3118.

Supply Clerk, GS-2005-3/4/5, PD No. 7825007N, Code 25752 Applications will be accepted from status eligibles. This position is located in the Receipt Matching Section, Receipt Control Branch, Control Division, Supply Department. Incumbent matches order documents and material; follow up on orders where the delivery date has passed; determines status of procurements and advises customers; expedites delivery of material in accordance with pur chase regulations. Job Relevant Criteria: Knowledge of purchase documents and practices; knowledge of vo examining methods and regulations; knowledge of Supply Department (NWC) functions and procedures; ability to

expedite and follow up on material requ Electronics Engineer, GS-855-9/11, PD No. 7833008-1 E eligibles. This position is located in the Surface Approach Fuze Branch, Fuze Systems Division, Fuze and Sensors fuzing systems including: design and development of electronic systems and circuits, design and development of fuze test instrumentation and equipment, and assisting in laboratory and field evaluation tests. Job Relevan Criteria: Knowledge of electronic engineering theory and principles; knowledge of electro-optics and electromagnetic wave theory physics; ability to deal effectively with a wide variety of people. Promotion potential to GS-12.

Electronics Engineer, GS-855-9/11/12, PD No. 7736043-1E, Code 3318 — Applications will be accepted from status eligibles. This position is located in the Microelectronics ranch, Sensor Systems Division, Fuze and Sensors Department. The incumbent will be responsible for the design and development of electronic devices, systems and equipment using microelectronic techniques. He will also involved in the testing, evaluation and qualification of the items developed. Job Relevant Criteria: Knowledge of design and fabrication of digital and analog electronic technique for fabricating thin and thick film hybrid circuits; ability to communicate effectively, both orally and

Electronics Engineer, GS-855-9/11/12, PD No. 7933044 E, Code 3315 - This position is located in the Design and Fabrication Branch, Sensor's Systems Division, Fuze and Sensors Department. The position involves engineering assignments related to fuze and sensors system designs, environment and the state of the art electronic circuit and component development. Problems assigned may be of the type arising from a contractor's request for ssistance or may be associated with fhe engineering necessary to convert experimental electronics fuze con cepts to production fuze designs. Job Relevant Criteria: Knowledge of analog and digital design; ability to troubleshoot new and existing designs; ability to work on multiple programs, related and non-related, conc File applications for the above with Susie Cross, Bldg. 34,

Interdisciplinary, GS-12, PD No. 7831164, Code 3142 -This position is that of project engineer in the A6/A7 Simulation Branch, Avionics Division, Systems Development Department. Incumbent is responsible for th specification, design, implementation, testing and con-

figuration management of the A6 facilities. Requiremen are to develop computer systems for real time, interactive and batch oriented applications. Incumbent is also responsible for operation of the A6 facilities including scheduling computer time, providing facility demonstrations and coordinating contractors for computer maintenance. Job Relevant Criteria: Knowledge of computer operating systems, FORTRAN, and assembly level languages; ability to understand the hard ware/software requirements of the A6 Weapons System as well as the hardware/software simulation system of the A6: ability to provide leadership in the development and

File applications for the above with Pat Gaunt, Bldg. 34,

Supervisory General Engineer, GS-801-15, PD No. 7936078E, Code 368 — This position is that of head, Product Assurance Division, Engineering Department. The ent is responsible to the head, Engineering Department for providing product assurance support to Center weapons systems programs in the areas of system safety, quality and reliability assurance, maintainability, systems effectiveness, soldering technology, metrology engineering, and validation/authentication of design sure documentation as these disciplines relate to the material acquisition process. To accomplish these fund tions the incumbent must staff, equip, develop an supervise the activities of over 100 engineers and technical specialists organized into five branches and a support office. Job Relevant Criteria: Ability to supervise a large work force through subordinate supervision; broad and détailed knowledge of reliability, quality assurance and technical data and documentation; extensive program management experience and/or understanding; un derstanding of the material acquisition knowledge of DoD contracting procedures. Note: This is a temporary position not to exceed one year, may lead to recertification by NCPC-WFD. File application for the above with Marge Stanton, Bldg

34, Rm. 206, Ph. 2925. Mechanical Engineer, GS-830-11/12, PD No. 7962040 Code 6211 — This position is in the Ballistics Test Branch in the Range Department's Ordnance Test and Evaluation Division. The primary duties of the incumbent are to conduct engineering studies and design major elements of specialized test equipment relating to the test programs conducted in the branch. Specifically, duties will entail analysis, design and validation of new missile propulsion test programs. This will include test equipment and facility

design. Job Relevant Criteria: Knowledge of rocket motor design including propellants; knowledge of test equipmen design; ability to deal effectively with all levels of Center personnel. Status eligibles may apply. Equipment Specialist (Electrical & Electronic), GS.

1670-9/11, PD No. 7962044, Code 622 - This position is located in the Range Operations Division, Range Department. The duties of the position include developing for integrating contract support in specific areas of range work required for the NWC test and evaluation missi Upon the definition of acceptable plans, in any of the support areas, the incumbent will develop and administer tion thereof, working with responsible



#### DIVINE SERVICES

Sunday Worship Service Sunday School-All Ages day School Classes are held in Chapel Annexes 1, 2, 4, (Dorms 5, 6, 8) located opposite the former Center Restaurant. Communion Service first Sunday of the Month.

ECUMENICAL Wednesday Noon Bible Study Thursday Men's Prayer Breakfast

ROMAN CATHOLIC

1700 fulfills Sunday obligation 0815-1245 Nursery, Chapel Annex 1 Daily except Saturday, 1135, Blessed Sacrament Chapel CONFESSIONS

1115 to 1130 1615 to 1645 Saturday 0800 to 0825 RELIGIOUS EDUCATION CLASSES

Sunday Pre-school thru 11th grade 1000 Above classes are held in the Chapel Annexes across from the former Center Restaurant. 12th grade As announced "In Home" Discussion Groups

and Youth Rallies Contact Chaplain's Office for specifics. JEWISH SERVICES

EASTWING-ALL FAITH CHAPEL UNITARIANS CHAPEL ANNEX 95 Services—(Sept.-May)

## Youths 14-17 sought for Marine Reserve **Devil Pup program**

June 22, 1979

Applications are once again being accepted from young men 14 through 17 years of age who are interested in participating in the Devil Pup program - an activity sponsored by the U.S. Marine Corps Reserve.

Participants in this year's Devil Pup program will spend 10 days at Camp Pendleton (from July 25 to Aug. 3). During that time, the youths will go through daily conditioning exercises, receive instruction in unarmed self defense and first aid, and participate in field marches and overnight bivouacs.

They also will be permitted to observe the regular Marines in whatever training they may be engaged in at the time.

In addition, there will be organized recreational activities such as beach parties and motion picture shows.

Youths interested in joining the Devil Pup program can apply by calling Molly McKinney, phone 375-7857, or writing to 817-A Balsam St., Ridgecrest. The applicant's age and date of birth are required information for those who apply by mail.

The deadline for applications for the Devil Pup program is July 12.

#### Softball results . . . (Continued from Page 6)

CSC and the Charlie Browns tangled in a slugfest that had to be called after five innings of play because of the time limit placed on the length of games.

The Charlie Browns ran out of steam after scoring 8 runs in their first time at bat and 4 more in the second inning. At the same time, CSC tallied 9 runs in the first, 2 more in the second inning but found itself trailing 12-11 after two innings of play.

The scorekeeper got a break during the next 11/2 innings of play as neither team was able to reach home plate, but in the last half of the fourth and fifth innings, CSC tallied 6 and 4 runs, respectively, to win, going away, by a final score of 21-12.

CSC outhit the Charlie Browns by just 11 to 10, but was able to take advantage of the dozen walks that were issued by the pitcher for the Charlie Browns to chalk up an easy

Scores of last week's games played in the men's slow pitch division were:

Cobras 24, Bird Olds 14; CMCI 14; Marauders 0: Pizza Villa 26; Blackjacks 4; Knights 12, Hooters 0; CSC 13, NWC O's 12; Homestead 10, Sun Devils 4; Time L + 21, CMCI 5; Marauders 7, Bird Olds 6; Jan.es Gang 15, ARCS 7; Homestead 21, Hooters 11; CSC 20, Blackjacks 6, and Pizza Villa 17, Blacksheep 11.

### Rec. Roundup . . .

(Continued from Page 6)

ployees of the Naval Weapons Center are eligible to rent boats and trailers that are kept at Lake Isabella by Edwards Air Force

Advance reservations are necessary, and can be made by calling Carol Sudy at Edwards Air Force Base, Autovon 350-3418, or (805) 277-3418, Monday through Friday between the hours of 11 a.m. and 5 p.m.

Racketball Challenge Night Racketball court No. 2 will be reserved from 6 to 8 p.m. on Wednesday, June 27, for women who wish to take part in the

racketball challenge night program. All interested active duty military personnel and Athletic Association members are invited to get in on the action.

#### Exact time available

Ever wonder what the exact time is? Thanks to a new service from the Naval Observatory and a tie-in to the observatory's master clock, you can hear the exact Eastern Standard and Universal mean time by calling Autovon 294-4950, or commercial (202) 254-4950. The service is available 24 hours a day.

# employee in the

"She is a self-starter who continually looks for projects to accomplish, and ways to gain experience..."

spotlight

Department at the Naval Weapons Center.

the smog or the traffic."

Design Division.

to hike and to backpack with friends.

"You can put up with a lot when you like your job, the people

you work with and the many good friends you meet socially,"

says Cathy de Wolfe, head of staff for the new Parachute Systems

Miss de Wolfe, an attractive blond who enjoys a variety of

outdoor sports, discovered when she first came to China Lake to

work as a summer employee in 1968 that she was allergic to just

about everything that grows in Indian Wells Valley, even the

"The only way that I survive is by taking daily medication and

risiting an allergist in Lancaster periodically," she said, "but I

have stayed here because of the friendly people and the small

town atmosphere. I'm definitely not a big city person. I don't like

Plenty of Elbow Room in Ridgecrest

Miss de Wolfe indicated that she likes elbow room and from

Ridgecrest the mountains are not far away. She likes to go there

Until February of this year, she had served as the ad-

ministrative officer in the NWC Engineering Department's

Systems Engineering Division for almost three years. For her

outstanding performance of duty in 1977 she was awarded a

quality salary increase and an outstanding performance award in

1978 by her supervisor, Jim Bowen, head of the Engineering

tinually looks for projects to accomplish, and ways to gain ex-

perience and to get the job done more efficiently and effectively.

to much quicker solutions than could normally be expected."

"This has to be done since we are a new department being

formed from the group moving here from El Centro. In addition,

have to make sure that our people are oriented with the

perations at China Lake and how things are done. In other words,

"Probably the best way to describe my job as head of staff,

Her Sister Introduced Her to China Lake

Miss de Wolfe states that she would have never have known that

the Naval Weapons Center existed out here in the desert if it

hadn't been for her sister, Camille, whose husband, Ed Alden,

"I learned about the place by coming out to visit them," she

continued, "then, while I was attending college at San Jose State

University I worked here for the first time as a summer employee

came to work here as a Junior Professional in the early 1960s.

functions that a department needs to operate under.

see that everything is going in the right direction.

would be to say it can be very challenging," Cathy said.

Cathy de Wolfe



After graduating in June 1969 with a bachelor's degree in sociology, she came back that summer to the Engineering Department. She became a permanent employee in the Personnel Department in September 1969, and served as an employee development specialist in the Employee Development Division intil July 1971.

Cathy was then transferred to the Personnel Services Division as a personnel management advisor for three years. From September 1974 to January 1975, she was on a training detail to the Budget Division of the Office of Finance and Management, where she gained first-hand experience in the budgeting process and function before going into the administrative field.

Miss de Wolfe's first assignment as an administrative officer was in the Technical Data Division of NWC's Engineering Department - a post she held from January 1975 to July 1976, when she was transferred to the Systems Engineering Division.

#### Cathy Studying for Master's Degree

Cathy is presently working on her master's degree through the Master's in Public Administration (MPA) program on the Center, sponsored by California State College in Bakersfield. Her early education had been in her hometown of Atascadero, Calif., where she was graduated from both elementary and high schools. Bowen commended Cathy for being a self-starter who con-Cathy's mother, Anna, still lives there. She credits most of her success in life to her mother, who raised her and her sister by herself, after their father died when she was only two years old. Bowen said, "Her exceptionally quick grasp of all the facets of a She admits that until she came to China Lake she wasn't very

problem have made her highly valuable in the daily interface with sports-minded, but now loves to snow ski, play tennis and branch and division personnel, the department staff and various volleyball, and when she can find time, backpack and hike in the service units such as budget, personnel and supply. This in-depth "I joined the local ski club shortly after coming here in 1969 and

ability to grasp the complexities of each problem has contributed have been an active participant in that and other sports since As head of staff in the Parachute Systems Department, Miss de then," Miss de Wolfe added Wolfe is responsible for setting up administrative procedures and

During the spring months for the past several years, she has been a member of one of the China Lake Intramural League volleyball teams. "I attended both tennis and volleyball classes at Cerro Coso Community College to learn the basics of the games," Miss de Wolfe said. "For the past several years, I have participated in the Mammoth Lakes tennis tournament, but haven't yet brought home a prize. I will keep working on my game and hope to place first one of these days."

Besides being kept very busy by her job, involved in sports and working for her master's degree, Miss de Wolfe finds time to be a member of the local chapter of the American Association of University Women. She is also a member of NOW, the National Organization for Women

About two years ago, Cathy bought a house in Ridgecrest where her Siamese cat, Pandora, keeps her company.

"I tried puttering around in the yard, but my allergies got so bad that I now limit my activities to decorating the inside of my home. I am lucky I am not allergic to cats," she laughed.

### Gasoline very hazardous if incorrectly stored or used warns NWC Fire Division

In view of the current energy crisis, the NWC Fire Division would like to share some important and timely safety tips on

in 1968 in the Engineering Department."

Gasoline is extremely dangerous. Its vapors are heavier than air and can flow invisibly along the ground and be ignited by a flame or spark from a considerable

A single gallon of gasoline has the explosive force of four sticks of dynamite. Carrying gasoline in the trunk of your car is a dangerous practice, if you are hit from the rear, there can be a fatal explosion.

Do not store gasoline in your house, ever. Always keep it in a well-ventilated area and never more than 5 gallons. If you must store gasoline, keep it out of the reach of children and store it only in approved safety cans which have flame arrestors and pressurerelease valves

Gasoline is not only highly explosive and flammable but also quite toxic when swallowed or spilled on the skin. Inhaling gasoline fumes can cause hydrocarbon pneumonia that under some circumstances business hours that day. could be fatal. If gasoline is accidently swallowed, do not induce vomiting. Call a 11 a.m. to 7 p.m. on Sunday.

In the final analysis, there is no safe way to store gasoline in your car or your house. The safest way to fill your gas tank is with a gasoline dispensing pump at your local service station. The safest place for

The incidents of fire resulting in injuries and deaths due to gasoline are increasing at an alarming rate. Many people, in their panic to get their hands on gasoline at any cost, are showing an unknowing but reckless disregard for their own safety and safety of those around them by transporting and storing gasoline in everything from wastebaskets to wine bottles.

gasoline is in the tank of your car.

Gasoline is dangerous, it is made to explode! Remember, an ounce of (fire) prevention is worth a (gallon) pound of

#### To close for inventory

The Navy Exchange (NEX) Annex on Halsey Avenue will be closed all day Saturday for inventory. All other NEX facilities will be open during normal

The Annex will reopen for business from

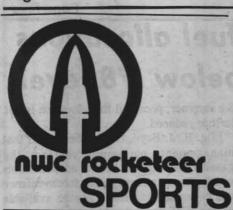
## Opportunities . .

(Continued from Page 2)

NWC personnel. The incumbent will act as a tech representative to the contracting officer on part or all of the contracts. Additionally, the incumbent is responsible for monitoring the serviceability of individual units and of maintenance exceeds cost of replacement. Job Relevant Criteria: Knowledge of electrical and electronic systems: ability to deal well with all levels of NWC personnel; ability to work with contract personnel; ability to perform

Model Maker Leader, WL-4714-14, JD No. 667, Code 62222 - The position is located in the Engineering Section, Track Operations Branch, Range Operations Division, Range Department. The duties assigned include performing as a working leader for several employees in completing work assigned by the Engineering Section. The working group the incumbent's cognizance include model makers machinists, and sheet and plate metal workers, and apengineers, scientists and supervisors the machining, fitting, assembly, installation, testing, and modification of complete structural and mechanical proto-types of experimental and developmental models, or complete parts ereof, of track test vehicles, camera components, electrical and electronic components, ordnance test items, and other related models or devices required in the track sting field. Job Relevant Criteria: Ability to perform as a working supervisor of small groups; ability to lead and coordinate the precise work of the shop; ability to read and derstand instructions, specifications, and blueprints; ability to work independently in planning, laying out and setting up model making operations; knowledge of al naterials, tools and equipment used in the construction of novel scale models; ability to solve problems, devise new methods and specialized devices, and modify equipment.

File applications for above with Bonnie Owens, Bldg. 34,



Recreation Roundup

### Jokari tourney practice sessions to begin Monday

Practice sessions in preparation for the up coming Jokari tournament, sponsored by the Special Services Division, will be held Monday through Wednesday, from 11:30 a.m. to 3:30 p.m., at the Community Center.

The tournament, which is open to anyone 8 years of age and over (including adults) will begin next Thursday, June 28, starting at 3 p.m. and continue until the winners in each age group have been determined.

Interested persons can still register for the tourney by signing up at the Community Center and paying a 50-cent fee. The deadline for entries is 3:30 p.m. Tuesday.

#### **Swim Tests Being Conducted**

Young people 8 to 12 years of age who wish to use the swimming pools on the Center without adult supervision this summer must first take and pass a swimming proficiency test.

This test is now being offered at all of the swimming pools on the Center during normal hours of operation. Youngsters who pass the test will be issued a patch that is to be sewn onto their swim suit. Cost of the patch is \$1.

All youths in the above-mentioned age bracket must be tested or re-tested before they will be permitted to enter a swimming pool unaccompanied by an adult who is responsible for them.

#### Kite Making Class Slated

Classes in making and flying kites will be held Monday through Thursday of next week, starting at 10 a.m. at the Youth Center gymnasium

Registration for these classes is being handled at the Community Center, and there is a charge of 25 cents each for youngsters between 6 and 18 years of age who are members of the Youth Center. Additional information can be obtained by calling NWC Ext. 2010.

The yearly fee for membership in the Youth Center is \$6 for dependents of Department of Defense employees, and \$4 for dependents of military personnel.

**Outdoor Recreation** Military personnel and civilian em-(Continued on Page 7)

### Recreation Council open to suggestions on local activities

The Joint Military-Civilian Recreation Council meets periodically to make recommendations concerning Special Services matters to officials at the Naval Weapons Center.

Individuals or groups at China Lake having suggestions or ideas that might improve recreational programs may contact any of the council's 11 members. They are:

LCdr. Bob Reusche, Code 613, NWC Ext. 5212; Ltjg. Bob Boyd, Code 96, 446-2600; Ens. Ray Tapani, VX-5, NWC Ext. 5357; RMCS Hector Estrup, Code 212, NWC Ext.

Others are PR3 Sharrell Olvera, Code 612, NWC, Ext. 5433; HM3 Kenneth Gibson, Code 94, NWC Ext. 2911; AT2 Roger McEntee, VX-5, NWC Ext. 5274; Phil Sprankle, Code 3512; NWC Ext. 3203; Mickey Strang, Code 3411, NWC Ext. 2027; Bill Matlock, Code 3523, NWC Ext. 3802; and Victor Swing, Code 6231, NWC Ext. 6331.

# Raiders win 11th straight men's fast pitch softball game

The Raiders, who have yet to be defeated in this season's competition in the men's fast pitch division of the China Lake Intramural Softball League, last week extended their string of victories to 11 games

The division leaders came up with a 6-run first inning that paved the way for a 9-6 win over Fuller Masonry, but in their second game played last week were put to the test before emerging with a 10-9 win over the Sports Etc. team.

In the only other games played last week in the men's fast pitch division, the previously winless Nelson Auto nine found the key to victory by posting victories over Sports Etc. and Fuller Masonry by final scores of 6-5 and 13-5, respectively.

For the Raiders in their game with Fuller Masonry, singles by Marty Stoner, Bob Beecroft, Al Alvarado and Dave Cane, in

the division leaders off to a 6-0 first inning

The Raiders also chalked up 2 more tallies in the second inning when Mark Wooten hit a home run with a man on base, and added their 9th run of the game in the fourth on a double by Alvarado that drove in Beecroft, who had singled to get on base.

Fuller Masonry scored 2 runs each in the third, fifth and sixth innings, but it wasn't enough to make up for the Raiders 8-0 lead after two innings of play. Robert Harbin scored 3 of the 6 runs chalked up by Fuller

Sports Etc. a team tied for second place with a 41/2-61/2 record as of June 15, almost pulled off the upset of the season by outhitting the Raiders 10 to 8, and scoring 9 runs to 10 for their opponents last week.

Long ball hitters in this game were Mark



**ROCKETEER** 

RUN SCORED FOR VX-5 — Cheered on by Larry Curtis (at right), a base coach for the VX-5 officers' slow pitch softball team, Paul Stephenson, Commanding Officer of VX-5, sets an example for his teammates as he scores a run for the Vampires in the Navy Relief Society benefit "fun game" held on Thursday, June 14, at Schoeffel Field. Ted Faller, catcher for the NWC officers' squad, got the ball a fraction of a second too late to prevent Stephenson from scoring. In this game, the final score was determined by awarding one point to the team that tallied the most runs in each inning. As a result, the VX-5 officers won the game 4-3.

# **MDISL** tennis tournament won by players from Norton AFB

Racket swingers from Norton Air Force Base in San Bernardino captured the Mojave Desert Interservice League (MDISL) tennis championship during a sixteam tournament played last Friday, Saturday and Sunday at the China Lake tennis courts.

Strong winds on both Saturday and Sunday made playing conditions difficult

The visitors from Norton AFB rolled up a total of 48 points, compared to 34 for the



CAUGHT OFF BASE - John Patterson, of the NWC officers' slow pitch softball team, tags out Paul Stephenson as he tried to make it to second base during this bit of action in the NWC officers vs. VX-5 officers Navy Relief benefit softball game.

second place Los Angeles Air Force Station team, and 24 points for Nellis Air Force Base, whose players came in third.

Tom Wilson, from Nellis AFB, won the open singles title by defeating Gary Stern from the Los Angeles Air Force Station, 6-2, 6-3, in the championship match. Wilson placed second in this event last year.

The MDISL open tennis doubles champs are Robert Horton and Michael Blanchard, from Norton AFB.

The tennis team from Norton also won the senior singles and senior doubles events, as well as the open doubles competition. All told, the MDISL champs won a total of 11 matches during the 3-day tournament.

The Los Angeles Air Force Station netters placed second and third in both the open singles and open doubles competition.

Also rans in the tourney (including the China Lakers who were unable to win a single match) were the tennis players from George and March Air Force Bases. There was a last-minute withdrawal by

the tennis team from Edwards Air Force Base, and no team was entered by the Marine Corps Supply Center at Barstow. Next event on the MDISL schedule of activities will be slow pitch softball Aug. 18 and 19 at Nellis Air Force Base in Las Vegas.

Current point standings in the 1979 MDISL competition (each team gets 10 points for participation in an event, and an additional 5, 3 and 1 points for placing first through third) are as follows: Norton AFB, 50; L.A. Air Station, 47; Nellis AFB, 46; March AFB, 44; George AFB, 40; Edwards AFB, 39; NWC and Barstow Marines, 30 points each.

addition to a home run by Mike Pangle, got Stoner of the Raiders and Ray Taves of Sports Etc., who each hit home runs that easily cleared the outfield fence.

> The big inning for both teams was the fourth when Sports Etc. tallied 6 runs, and the Raiders picked up 5.

Nelson Auto gave up 5 runs to Sports Etc. in the first inning, but was then able to hold the opposing team scoreless and fought back to win its first game of the season, 6-5. A home run by Jim Byrd and singles by

Cliff Payne and Dave Scaff triggered the 5run first inning for Sports Etc.

After that, however, the Nelson Auto squad settled down and scored 1 run in the second and 3 more in the third inning to make it a 5-4 ball game in favor of Sports

After two scoreless innings of play (the fourth and fifth), a double by Jack Nutter and a 3-base blow by Mike Hicks produced 2 more runs for Nelson Auto in the sixth inning which won the game for their team.

#### Nelson Auto Wins Again

Proving that this first win of the season was no fluke, the Nelson Auto team then overcame an early 4-1 lead and outscored Fuller Masonry 12 runs to 1 in the final 31/2 innings of their game to win by a final tally

Although still trailing in last place in the 4-team men's fast pitch division, the Nelson Auto nine broke loose to score 5 runs in the fourth inning, 3 more in the 5th, and finished with 4 more runs in the sixth to win by a lopsided margin over Fuller Masonry.

In a key game played last week in the women's fast pitch division of the China Lake Intramural Softball League, the Ridgecrest Merchants clobbered Pizza Villa, the division's second place team, 21-5, in a game that was ended after 41/2 innings of play because of the 10-run lead rule.

#### 15-Run Rampage

The Merchants led 6-4 after 31/2 innings of a closely played ball game, but in their turn at bat in the bottom of the fourth inning, the division leaders surged around the base paths to score 15 runs and turn what had been a close game into a rout.

Two other games played in the women's fast pitch division resulted in a 12-2 win by Mary Sue's over the Flower Shop, and the Charlie Browns were dumped 21-12 by CSC. The Flower Shop, unable to get hits when they were needed, scored just 1 run in the

first and another in the 3rd inning, while Mary Sue's took command by getting 4 runs in the first, 2 more in the second and another 4 tallies in the third inning to roll up a commanding 10-1 lead.

Both teams were scoreless in the fourth and fifth innings, but Mary Sue's finished the game by scoring 2 more runs in the sixth inning to win by a 10-run margin of 12-2.

The game's leading hitter was Sharon Machowski of the Flower Shop team, who had two doubles and a single in three times

#### (Continued on Page 7) China Lake Intramural

Softball League

Men's Fast Pitch Div. Raiders. Fuller Masonry Nelson Auto Women's Fast Pitch Div. Flower Shop Charlie Browns Comarco Knights ARCS. Blacksheep CMCI. Bird Olds Blackjacks Time Out James Gang Pizza Villa Cobras .



NWC'S FAVORITE - Capt. F. H. M. Kinley, NWC Vice Commander, congratulates PNSA Julie Star, of the NWC Military Administration Department, for winning the Ms. Navy Relief Contest at China Lake. Miss Star brought in the most votes in a closely matched contest with six other entrants during the Navy Relief Society Fund Drive held here from May 4 through June 14.

# Julie Star wins title of Ms. Navy Relief, campaign brings in \$8,965

Society Fund Drive at the Naval Weapons Center, PNSA Julie Star, a personnelman seaman apprentice in the NWC Military Administration Department, was announced as the winner of the Ms. Navy Relief contest on Thursday, June 14.

The announcement was made just before the beginning of the annual Navy Relief "fun game" between the NWC and Air Test and Evaluation Squadron Five officers' slow pitch softball teams.

PNSA Star, the top vote-getter in the contest, received a \$200 U.S. Savings Bond, while the first runner-up for the title, HM3 Bonnie Lamb, was given a \$100 Savings Bond for placing a close second.

Dinners for two at either the Hideaway or Clancey's restaurants in Ridgecrest were awarded to the remaining runners-up. They were, in the order they placed in the contest. YNSN Sharon Gamble, AN Billie Cantrall, MSSA Gail Cormier, AKAN Cheryl Flechsig, and ADAN Joy Graczyk.

This year's Navy Relief Society Fund Drive netted more than \$8,965 with the principal amount coming from the Ms. Navy Relief Contest, LCdr. Ted Faller, the local fund drive co-chairman, reported.

candidate counted as one vote for her. LCdr. Ted Faller said that each of the contestants had a wide base of support and that it was a

#### Turn in timecards early next Friday All personnel who are responsible for

the submission of timecards are reminded that because of the Wednesday, July 4, Independence Day holiday, timecards for the regular workweek ending on June 30, must be turned in by 11:15 a.m. next Friday, June 29.

This is necessary in order to meet the normal payday of July 6. No timecards are to be held out, since failure to provide the Payroll Office with an accurate timecard by the June 29 deadline may result in a delay in pay for employees.

Any overtime worked on Friday night, June 29, or Saturday, June 30, should be submitted on a supplemental timecard for payment during the next pay period.

close race all the way with the lead changing several times during the contest. Donations to the campaign included a check for \$902 from the proceeds of the

- Photo by PH2 Tony Garcia

Ballet Arts Theatre's benefit for Navy Relief. Four hundred and eight dollars of this amount was from advertisers and contributors while the balance was from ticket sales to the ballet, which was held at Burroughs High School lecture center on Saturday, June 9.

Other previously unreported donors included the Indian Wells Valley Council of the Navy League with a check for another \$115 bring its total donations to \$165; Comarco Inc. \$75; Computer Sciences Corp., \$100; Desert Sports Cycles, \$50; the Kiwanis Club of Ridgecrest, \$50; and Continental Graphics, \$150.

An additional \$1.600 was contributed by the Women's Auxiliary of the Commissioned Officers' Mess in November 1978 to bring the fiscal year total Navy Relief donations to \$10,565.84. This exceeds the \$9,600 in aid given out last year by the local Navy Relief office by almost \$1,000.

Capt. F. H. M. Kinley, NWC Vice Commander, awarded the first prize to Ms. Navy Relief and to the runners-up. The Each dollar donated in the name of a ceremony took place at Schoeffel Field.

> the ceremony was described by LCdr. Faller as more entertainment than an athletic contest. One point was awarded to the team which scored the most runs per inning, up to the maximum of 10 permitted in a single inning. Based on the rules of the contest, VX-5 won the game by a score of 4-

LCdr. Faller said that there were no scorekeepers for the game, and that the "rivalry" was enjoyed by all.

### Capt. Haff . . .

(Continued from Page 1)

NWC's new Commander will then be read by Capt. Haff. Personal comments by Capt. Haff con-

veying his views on taking command of the Naval Weapons Center will be followed by the benediction by Lt. John Madden, NWC Catholic Chaplain.

Following the ceremony, a cake will be cut by RAdm. Harris and Capt. Haff and there will be cake and punch served in the shade of trees bordering the south side of the Administration Circle.

# Navy-assisted rescue effort results in saving life of 16-year-old boy

Two members of the China Lake Moun- Allen Jones, Dave Brown, Mike Maso tain Rescue Group (CLMRG) teamed up with other rescue teams on Monday to successfully rescue a 16-year-old boy stranded near the 14,000 ft. summit of North Palisade peak in the Sierras west of Big Pine since Saturday, June 16.

Scott Jackson of Chicago, Ill., had climbed the difficult peak with his granduncle Reed Boswell, 61, a doctor from Los Angeles on Saturday morning. After starting back down, the two ran into trouble. When they did not return to their base camp, a third member of the party went for help.

A U.S. Forest Service helicopter spotted Jackson stranded on a 200 ft. vertical cliff near the summit early Monday morning.

About the same time, the Inyo County Sheriff's Department requested assistance from the CLMRG. CLMRG team members Bob Rockwell and Al Green were flown from Armitage Airfield in a Navy helicopter piloted by Marine Corps Lt. Col. Ben Adams to the 12,000 ft. level of the peak. It landed there on a glacier.

Meanwhile the Forest Service helicopter lowered two members of the Inyo County Sheriff's Posse Rescue Team, Bob McCoy and Brian Norris, on to a crest above the victim. It took them six hours to work their way down to the stranded youth. They then lowered him to Rockwell and Green, who had climbed some 1,500 ft. to their position.

Rockwell and Green then lowered the barely conscious boy down to a snow slope where they could carry him to the waiting Navy helicopter. Jackson was flown to the hospital in Bishop where he was treated for

#### Difficult Climb

Rockwell said that the North Palisade is a particularly difficult climb even for the most experienced mountaineer. Although Jackson was mostly incoherent and dicated that Dr. Boswell died of a possible with air-fed ramjet operation. heart attack after the two reached the

Both the Forest Service and the Navy helicopters continued searching for Dr. Boswell, but neither crew sighted him on Monday, according to LCdr. Larry Crume, co-pilot of the Navy helicopter involved in the rescue mission

Also on board the Navy helicopter participating in Monday's rescue effort were crewman AMS3 Miles Ernest and Hospital Corpsman Vince Hall.

Eight members of CLMRG led by Lee Lucas left here by automobile at 4:45 a.m. on Tuesday to continue the search for Dr. Boswell. Rockwell said the rescue team had a pretty good idea where the doctor was.

In the search for the missing doctor, Lucas was accompanied by Bob Westbrook,

Darvl Hinman, Forrest Lloyd and Chris

The CLMRG party was airlifted by a Forest Service helicopter to the crest of North Palisades peak, where near the top they found the body of the 61-year old man. He appeared to have been dead for several days. His body was winched aboard the

#### Youth in Good Condition

Rockwell reported that the 16-year old boy was alert and in good condition on Tuesday after spending a night in the hospital despite his ordeal. "Jackson is lucky to be alive," he said.

Jackson said that after they reached the summit on Saturday, his grand-uncle collapsed, grasping at his chest. He attempted to give him mouth-to-mouth resuscitation but to no avail. The boy then tried to get down by himself to go for help. Rockwell said that there is no way that

the youth could have made the descent alone. The climb is so difficult that a minimum of two persons who are equipped with the proper mountain climbing gear is

Rockwell also reported that the climbers were dressed adequately for their climb, with down jackets and pants, but they did not have sleeping bags to provide the extra warmth they would need when they were

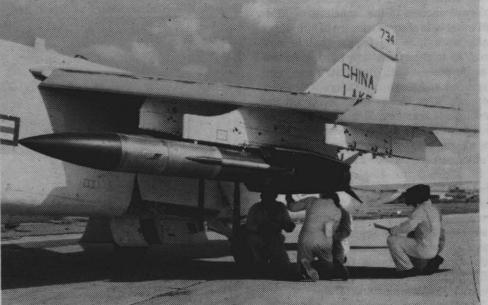
### Test successful . . .

(Continued from Page 1)

Ram air to support combustion of the jet fuel is supplied by four intakes arranged in a X-shaped pattern aft of the center portion of the missile. On transition from rocket boost to ramjet operation, port covers sealing the inlets are blown in and an inner hallucinating from his exposure to zero nozzle at the rear of the vehicle is ejected to temperatures for two days, the youth in- use a larger-diameter nozzle compatible

The guidance system used by the STV-G consists of the ATIGS X-2 to provide midcourse guidance from the time of launch to target acquisition, and the MICRAD terminal seeker. ATIGS will point the MICRAD, process the MICRAD data with its miniature computer, stabilize the missile, and issue commands to the missile

The advanced tactical vehicles will demonstrate the engineering feasibility of the integral rocket ramjet propulsion system integrated with the midcourse guidance (ATIGS X-2), midcourse guidance update (MICRAD correlator), and the MICRAD terminal guidance systems. The propulsion section for these vehicles will include a low-cost combustor, low-cost air inlets, and a low-cost fuel management



READY TO BE FLOWN — The supersonic tactical vehicle-propulsion, an integral rocket ramjet test missile, is mounted on a Naval Weapons Center A-7 Corsair II aircraft at China Lake by Vought Corp. personnel before its first flight under the Navy's Supersonic Tactical Missile (STM) program. The first flight was made recently over the Pacific Missile Test Center's range and was appraised by test officials as "highly successful."

June 22, 1979



LAST SALUTE - Cdr. Marvin J. Cowell renders his last salute while on active duty as he passes through sideboys during a retirement ceremony held in his honor here last Friday. Cdr. Cowell retired following almost 36 years of service in the Navy. For the last 41/2 years he has been the Staff Judge Advocate at the Naval Weapons Center. The commander and his wife, C. J., will live in Ridgecrest until their son, Charlie, 17, graduates from Burroughs High School in June 1980. Cdr. Cowell is a licensed real estate broker and plans to become a member of the - Photo by PH2 Tony Garcia

# Awards presented for work on AIM-9M Sidewinder

Allen Hibbing, James Lee, Mary Lemon,

Olanyk, Patricia Stine, Paul Storey, Robert

The following employees worked on the

AIM-9M's closed cycle cooling system,

Phillip Bowen, Dan Buckley, Keith Clark,

Warren Compton, Gene Hart, Fay Hoban,

Gene Jaeger, Richard St. Clair, William

**Product Assurance Team** 

development were made by the AIM-9M

produce assurance team composed of

James Barkoff, William Barlow, Roger

Grenier, Wayne Gunther, Forrest Hill,

The AIM-9M Program Support Office has

been responsible for administrative

coordination, fiscal, documentation and

status reporting and control. Those who

received awards for their contributions in

these areas were Darlene Beyer, George

Budgeting and analysis of program and

life cycle costs was the responsibility of

Frank Carrol and Patricia Stroud, who also

Employees of the Prototype Shop -

Ralph Collins, Jack Herbstreit, Jerry

Hopper, Bill Rhamey, Darlene Smith and

INVENTS WEATHER MOD DEVICE

- Gerald R. Schiefer (left), head of the

Electronic Warfare Department,

presents a patent award to Robert L.

Gerber, a mechanical engineer in Code

3541, during a recent ceremony. Ger-

ber's invention was a "Weather

Modification Automatic Cartridge

Dispenser," which automatically

ignites and dispenses pyrotechnic

weather modification rounds.

Randall Langham and Leon Peachie.

Peggy Johnson and Craig Stump.

received awards for their efforts.

Significant contributions to the hardware

Taylor and Allen Woodson.

guidance and control section:

Spraker and Bernard Wenzl.

Recognition was paid last Friday to a team effort on the part of employees from six different departments on the Naval Weapons Center, and also the Test and Evaluation Directorate, whose efforts have resulted in the passing of another milestone in the AIM-9M Sidewinder missile program.

More than 80 civilian employees and one military officer received Group Special Act of Service Awards and checks totaling \$18,450 that were presented by B. W. Hays, Deputy Technical Director.

The award recipients were introduced and their part in completion of the development, test and evaluation phase of the AIM-9M program was outlined by W. B. Porter, head of the NWC Weapons Department.

Porter commended everyone involved for the success of this most recent phase of the Sidewinder AIM-9M program which, for the most part, took place during the period from May 1978 through May 1979. "I appreciate the work many people have done. Thank you for a good job," Porter said.

#### Several Departments Involved

Havs mentioned that it was Mark Stenger, head of the AIM-9M Technical Management Office, who had nominated this large group of Centerites for the awards which he presented. "This," the Deputy Technical Director said, "has been a team effort managed in one department (Weapons) but which owes its success to the partcipation of those who were involved from a number of other departments."

To some degree, the success that has followed success in the launching of AIM-9M missiles is of some concern to him, Hays said, since it is his feeling that it isn't possible to determine how hard a system can be pushed until its limits have been exceeded and there is a failure. Once this happens, steps can be taken to correct the problem(s) that caused a failure, and he would rather see this done now than when the missile goes into production, the Deputy Technical Director observed.

In addition to employees from the Weapons Department, others who shared in the Group Special Act of Service Award were from the Ordnance Systems Department, the Fuze and Sensors Department, the Engineering Department, the Aircraft Department, the Range Department, the Office of Finance and Management, and the Test and Evaluation Directorate.

The individual recipients, and their

contributions, were as follows: The Electronics Branch in Code 39 was responsible for the design, test and evaluation of the AIM-9M guidance and control section electronics. Employees from this branch who received awards were

Class offered in 'Prevention, Self Help for Back Problems

Problems" will be the subject of a four-hour course to be given June 26 through 29 from 1 to 2 p.m. each day in the Sidewinder Room of the Community Center as a part of the NWC Employee Assistance Program.

ROCKETEER

Charles Willhite, a board certified corrective therapist and head of the Explosives and Laboratory Safety Division of NWC's Safety and Security Department, will be the instructor of the classes, which will be limited to the first 50 employees who

The purpose of this program is to help employees avoid back injuries or help themselves if they have already suffered such injuries. Each of the four sessions will combine a film or viewgraph presentation, lecture-discussion, and the use of printed

During the first session on Tuesday, June 26, the film, "Bend Your Knees," will be shown and pamphlets entitled "Lift Safely" and "Facts About Backs" will be distributed. On Wednesday, June 27, there will be a viewgraph presentation on "Understanding the Back," and a publication,

Vernon Anderson, Gregory Boske, Jon Richard Smith - were singled out for their Bumgardner, James Clark, William help in layout and construction of printed Donnelly, William Finley, Viola Helm, circuit boards for the experimental test and engineering model missiles in the AIM-9M Jimmie McCalester, Charles Mayer, David program.

Three members of the Telemetry Group (Range Department) were responsible for providing a very reliable telemetry link from airborne missiles to the ground. They design of the linear motor drive for the are Larry Harlan, Randall Morris and gyro, and the linear power amplifier for the Charles Motte

**Documentation Also Important** 

The employees who handled the work of documenting the AIM-9M engineering requirements and preparation of the documentation package of procurement were Albin Karlstrom (who has been with the Sidewinder program since the A-1 version), Yvonne Mason, David Rugg, James Suhr, and Reinholos Vitols.

The complete design and prototype fabrication of the AIM-9M seeker assembly was the responsibility of employees of Code 39's Sensors and Platforms Branch. Honored for their work in this area were Ed Allen, William Fitzgerald, Eugene Foust, Clayton Hill, Larry Jeffris, Donald Jones, Donald Kummer, Samuel Miller, John Mills, Lyle Rickets, Douglas Sticht and Cercone, LCdr. Ted Faller, Hugh Helmick, Francis Williams.

Other Contributors to Program

The experimental hardware and shooter aircraft operation for the AIM-9M missile tests were supported by William Bailey, Madelyn Fortune, Vernon Gallaher, William Hutmacher, Adrian Milbrath, Joseph Roberts and Sharon Werle.

Jon Nalley and Willard Webster, of the Microelectronics Branch in the Fuze and Sensors Department, provided design, fabrication and technical monitoring of hybrid electronics, multilayer thin film optical coatings and infrared detectors for the AIM-9M missile tests.

A capability that provides fast and accurate prediction of AIM-9M missile performance was built up by Richard Blosser, Thomas LaJeunesse, Arlo Mickelsen and Robert Pheysey of the Simulation Group in Code 39's Infrared Anti-Air Branch.

The final four employees to be recognized for their part in the success of the AIM-9M program were Richard Fry, Harlan Reep, Lynn Satterthwaite and Richard Truax.

The latter two (from the Test and Evaluation Directorate's Air Projects Branch) translated the AIM-9M test requirements into the range facility schedule. Fry, of the Air Operations Branch in Code 62, converted the test requirements into aircraft flight parameters, and Reep, head of the Target Operations Branch in Code 61, provided excellent drone control during all of the AIM-9M firings.

'Prevention and Self-Help for Back "Back Owners Manual," will be handed out. During Thursday's presentation, the film "Flexibility" will be shown and participants will receive printed information on "How to Get Along With Your Back," "Low Back Program," and "38 Pieces of Good Advice." Then during the presentation on Friday, June 29, the film to be shown will be "Make Lite of Lifting" and attendees will receive a publication entitled "Care of the

> Employees interested in attending this course should contact Carol Corlett by calling at NWC Ext. 2574.

#### TD Award . . . (Continued from Page 1)

headquartered in San Diego, and his duties as STM program manager have been taken over by Pat Palmore.

Smith first became acquainted with China Lake when he was a Navy enlisted man assigned here as an aviation machinist's mate for 21/2 years (January 1951 to August 1953) and worked at the Naval Air Facility as a plane captain and aircrewman of an R4-D transport.

During his Junior Professional tour, he spent a third of his time working in the old Rockets and Explosives Department on the 1-C version of the Sidewinder missile before being assigned to the Ballistics Test Branch in the Propulsion Department, (Code 45).

Later, throughout 31/2 years with Code 45, he had a part in development of the Skytop test facilities and was an assistant test director during the firing of the first Polaris

His next move was to the Aviation Ordnance Department (Code 35), then headed by Dr. Newton Ward, and, for the next 12 years (into 1975), he was involved with the Walleye missile. He had the unusual opportunity of seeing the missile through its basic design stage to use in combat.

In 1972, Smith was the Walleye program manager and technical director of a team that was on board the aircraft carrier USS Kitty Hawk during research and development launches of the Walleye against targets in Vietnam. In 1976, Smith became the STM program

manager in the Weapons Department - a position he has held until the present time. The complexity of the recent STM launch for which he was awarded the Technical Director's Award ranks right up there, he said, with the R&D launches of the Walleye

## **Tech Information** Dept. transferred to Lab Directorate

The transfer of the Technical Information Department en masse from the Support Directorate (02) to the Laboratory Directorate (03) was announced at a TID all-hands meeting held on June 13 in the Community

Rationale for the change, which was effective on June 15, is that the majority of work done by TID employees is in support of laboratory projects and personnel. In addition, the move will help to solidify communications while continuing to meet the needs of the Center's mission.

The move into the Laboratory Directorate brings with it a change in the TID Code numbers from 23 to 34, but at this time no staff changes are being made and accounting shop numbers remain the same. During the joint announcement made

by Capt. F. H. M. Kinley, Vice Commander (Code 02), and B. W. Hays (Code 03), it was noted that for a number of years in the past TID had been a part of the "technical side of the house" and that 75 to 80 percent of the work done by TID is for the Laboratory Directorate.



SPECIAL WOMEN'S PROGRAMS — Kathy Hintz (standing) and Barbara Loubek (seated far left) were the guest speakers for special programs sponsored by the Federal Women's Program Committee on Wednesday and Thursday of last week. Because of the overwhelming response by employees at China Lake, the sessions on "Sexual Harressment on the Job," and "Fashion, Professional Image and Personal Style" had to be limited to women only with over 230 attending. The workshops were videotaped and will be scheduled later for viewing by both men and women who were unable to attend the original presentations.

Thorough knowledge of Michelson It is cooled by swamp coolers.)

Laboratory's heating and coeling system on

the part of Marvin Hunter and his super-

visor, George Miller, has resulted in

significant saving of both energy and money

for the Center while not adversely affecting

either human comfort or laboratory needs.

Department's HVAC Electrical Branch

(Code 26424) with the assistance of

Michelson Laboratory Coordinator Dan

Butler have been "tweaking" the heating

and cooling system to maximize its ef-

Michelson Laboratory has a duel-duct

system designed so that hot and cold air

both flow past all rooms 24 hours a day; the

right mix of hot and cold air is then piped

into each room to meet the specific needs of

that room. This system permits flexibility

of room use; office spaces can be main-

tained at temperatures suitable for per-

sonal comfort while rooms used as

laboratories or computer areas can be kept

**Original System Wasted Energy** 

When the maximum versatility system

was installed, the prime consideration was

to provide such flexibility. The cost of

electricity was low enough so that energy

Hunter and Miller began analyzing ways

to maximize the energy use during the

previous energy crisis in the early 1970s. At

that time they experimented by turning off

some of the return air blowers and secured

the humidity system when it was not needed

to save steam. Savings from these two

successful experiments have accumulated

Their first step in the current energy

crisis was to overhaul all the machinery

used in air conditioning to ensure that it was

working at peak efficiency. The main

machinery located in the basement of the

laboratory consists of three 500-ton chillers,

and air handlers to send the air through

ducts supplying the main laboratory. (The

machine shop is the only major Michelson

Laboratory area not on the ducting system.

The Department of Defense reports it is

experiencing petroleum shortages of up to

10 percent - approximately the same

The largest single consumer of petroleum

with almost three percent of the nation's

total, DoD uses approximately 90 percent of

its petroleum for military aircraft, ship-

board and land-based mobile systems.

Like rest of nation, DoD

also hit by fuel shortage

percentage as the nation overall.

over the past five years.

wastefulness was not a consideration.

at the optimum level for special equipment.

fectiveness while minimizing use of elec- cooling

These two men from the Public Works

Lab cooling, heating system changes save energy

Three massive water towers outside the

east entrance of the Lab complete the

system. This evaporative system is used to

cool the water that is then sent to the

basement chillers. Public Works Depart-

ment engineers selected the system used in

these towers carefully so that no motor-

driven fan is needed to cool the water; the

system is driven by jet sprays from the

more than 1,200 nozzles in each tower and

the force of the water spraying creates the

# **NEX** gas station fuel allocations now 30 percent below '78 level

The Navy Exchange (NEX) service the summer, provided the allocation is not station continues to receive a reduced further reduced. monthly gasoline allocation, as are all military and commercial service stations in Southern California.

The current allocation is 70 percent of the number of gallons purchased by the NEX in the comparable month in 1978.

The establishment of new operating hours, in conjunction with the 10-gallon limit per purchase and customer cooperation, has been successful in stretching out gasoline allocations each month to the point where no additional controls have been necessary. The problem, however, is becoming more severe.

Prior to establishment of the above controls, the NEX service station sold an average of 3,300 gallons per day. During April to mid-May, with the 10-gallon limit, the average number of gallons sold dropped to 2,800 gallons per day.

With the change of operating hours, consumption further dropped to 2,300 gallons per day. The situation is getting tighter, however, and additional customer fuel conservation is required in order to reduce consumption to 2,150 gallons per day. If this can be accomplished, no further controls should be necessary for the rest of

The design of Michelson Laboratory itself

is energy conserving in that the roof is well

insulated and the thick concrete walls serve

outside air. Most temperature gain - or

loss in winter — is through the windows.

Hunter and Miller suggest to tenants in

Michelson Laboratory that they, too, can

help in the energy saving effort by con-

either mylar or drapes to insulate the

- Photo by PH2 Tony Garcia

FROSTY ADJUSTMENT - Marvin

Hunter determines how one well of the

three 500-ton chillers in the basement of

Michelson Laboratory is functioning.

Most of the cooling for the lab is being

accomplished by using only one of the

three; a second chiller operates only

during the heat of the day when needed,

and the third is on a standby basis.

Ltig. R. J. Boyd, NEX officer, said that management philosophy during the gasoline shortage has been to adopt controls which offer minimum patron inconvenience and yet ensure gasoline is always available during NEX operating hours.

"Hopefully, reduced fuel consumption by patrons will eliminate the need for further controls," Ltjg Boyd continued. "If additional controls are required, a reduction in operating days or adoption of selling a predetermined number of gallons per day and then closing the pumps will have to be considered," he said.

Ltig. Boyd also stated that customer patience and understanding has been appreciated. "Military patrons must now band together and further reduce fuel consumption," he concluded

### Workshop slated to provide training for NWC recruiters

A workshop for recruitment representatives will be conducted at the Training Center July 17-19 by Dan Burnett, the Naval Weapons Center's professional recruitment

Classes, which will be held on July 17 and 18 from 8 a.m. to 2:30 p.m. and on July 19 from 8 to 11:30 a.m., will be limited to 20

to minimize temperature changes due to Graduates from this course, which provides individuals with the tools required to conduct campus recruiting interviews, will be evaluated and the best ones chosen to become members of the Center's college recruiting team. tacting Butler to get window covering of

Recruiters are expected to make two recruiting trips a year, each of one week's duration. Travel, re-recruiting preparation, and followup will take an additional 120 to 240 hours of the recruiter's time per year.

The recruiting program is aimed at attracting scientific and engineering types; consequently preference will be given to professional, scientific and engineering employees who apply. Centerites interested in attending this

course must submit training request and authorization forms via proper department channels in order to reach Code 094 no later than July 6.

## Vehicles damaged by painting work to be repaired Owners of vehicles that were

damaged during painting operations last April 30 at Schoeffel Field are reminded that corrective action to remedy this problem will be continued during the coming week.

From June 25 through 29, vehicles whose license plate numbers begin with 3, 4 and 5, can be taken to Building No. 01188 (located in the rear of the Public Works Department Transportation Compound) for inspection and repair. Signs will be posted directing traffic.

The overspray repair work is being handled by employees of the Taylor System, the agent for the contractor's insurance company, and it is anticipated that no vehicle will require repainting.

The overspray is to be removed from paint, glass and chrome by experts who do nothing else all over the U.S. and Canada. This work was commenced this week,

and will continue July 2 through 6 for vehicles with license plate numbers that begin with the numerals 6, 7 and 8. From July 9 through 13, vehicles damaged by paint overspray whose license plates begin with the numeral 9 and all special plates will be handled.

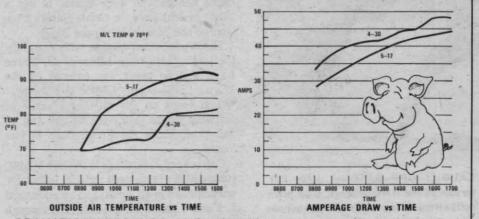
needed draft to provide the evaporative **Energy Load Decreased** Reducing the energy load of the Lab has been accomplished in increments. On April 30 the steam system in the Lab used for heating air was turned off. It has been determined that the returned air at about 15 degrees warmer than the air sent into Lab rooms provides adequate warm air for the hot air duct. By experimentation it was found that the chillers could be turned up to use water at 53 degrees rather than the 42 degrees for

which they were originally designed. One of the two coils in each of the air handlers has also been throttled back to reduce chilled water demand.

Large saving of energy has been accomplished by turning off one of the three 500-ton chillers - it is still available on a stand-by basis - and using a second one only during the warmest part of the day.

These "tweakings" have resulted in saving of peak demand charges of more than \$10,500 and 500,000 KWH per year off the designed operating conditions.

Most important, the saving of energy has been accomplished while still keeping office areas near the mandated 78 degrees and maintaining required temperatures for laboratory and computer areas.



DRAMATIC DIFFERENCE - Although ambient air temperature on May 17 was markedly higher than on April 30, the amount of electricity needed to keep Michelson Laboratory at 78 degrees was markedly less because of changes made in the air conditioning system of the Laboratory.