

WHO WILL BE THE RODEO QUEEN?
 — One of the six girls pictured at right will be crowned 1974 Rodeo Queen tomorrow at 1 p.m. during the rodeo at the DEF Fairgrounds. She will be selected on the basis of her poise, personality, horsemanship, and the sale of tickets. The six queen candidates will ride in the rodeo parade tomorrow morning accompanying the 1973 queen, Nancy Grams. The parade begins at 10 o'clock at the corner of Las Flores Ave. and Balsam St. At 2 p.m. tomorrow, the new queen and her court will ride in the grand entry of the rodeo, and they will also attend the rodeo dinner, set for 5 p.m. tomorrow at Joshua Hall. Admission to the rodeo is \$2 for general admission and \$1 for children 12 and under. The dinner will cost \$3.00 for adults and \$1.50 for those 12 years of age and under. A dance will be held at Joshua Hall following the dinner. Wayne Paisano and his group will provide the music. Admission is \$2 for all. On Sunday, the newly-crowned queen and her court will again ride in the grand entry to signal the final day of the rodeo. A pancake breakfast, sponsored by the Ridgcrest/China Lake Optimists Club, will be held in the parking lot of the 1st Federal Savings and Loan, corner of Station St. and Balsam St., from 7 to 10 a.m. tomorrow morning.



Karen Boss, Jerrie Butler, Virginia Higgins



Chris Ortega, Kathy Schneider, Kris Turner

HAPPENINGS AROUND THE CENTER

A second Female Awareness Seminar, led by Dr. Rita McMullen, will be presented on Friday and Saturday, May 17 and 18, and again on Saturday, June 1, at the Desert Counseling Center's Ridgcrest branch, 1007 N. China Lake Blvd.

Topics to be explored include self-awareness, body image, female sexuality, emotional involvement, communication, spontaneity, and others.

Hours for the seminar will be 7 to 11 p.m. on May 17, and 9 a.m. to 6 p.m. on May 18. The hours on June 1 are also from 9 a.m. to 6 p.m.

Fee for participation in the seminar is \$40, payable in advance. Interested women may call Dr. McMullen at 446-6514 for more information.

The final date for registration is next Thursday, May 9.

Taco Luncheon Scheduled

A taco luncheon, hosted by the Supply Department Recreation Club, will be held next Wednesday, May 8, from 11 a.m. to 12:30 p.m. in Warehouse 10 (on Blandly Ave., near the Navy Exchange).

A menu of tacos and refried beans will be offered along with soft drinks and a bake sale.

Everyone is invited to this affair, the proceeds from which will be used to cover a portion of the cost of future Supply Department recreation activities.

Dance Set at Chaparral

Maxie Montoya and his El Batuka Band will bang the drums slowly, quickly, and every other way tonight at the Chaparral Club.

Montoya's group will play for a dance from 9 o'clock until 2 a.m. Walt Schimke, manager, has invited all members and their guests to attend.

Astronomy Gp. To Meet

The China Lake Astronomical Society will hold its next regular monthly meeting on Monday at its clubhouse, 401-A McIntire St., beginning at 7:30 p.m.

Guest speaker for the evening is Gene Thomas, who will discuss the mechanical

and geometrical considerations in the construction of a mirror cell and a diagonal holder.

USC Professors To Visit

Students and prospective students in the USC Graduate Program in engineering are reminded that Professors Nasser Nahi and C. Roger Freberg will be at China Lake next Friday, May 10, for counseling.

In addition, a general meeting will be held at 10:30 a.m. on that day in Rm. 211 of the NWC Training Center to discuss course preferences and all aspects of the program.

Employees who wish a counseling session with one of the professors should call the NWC Education Office, ext. 2641, no later than next Thursday, May 9.

Helicopter Joins Hunt

A helicopter from the Naval Air Facility, piloted by Lt. Col. Jack Pipa, USMC, joined the search for a missing Cessna 150 aircraft last Monday, with no results.

The aircraft, missing on a flight from Kernville to Sanger, was presumed down in the rugged Sierra Nevada mountain range. A call for help was initiated by the Western Rescue Center, McClellan Air Force Base, near Sacramento, and NAF responded.

Co-pilot on the flight was Lt. Col. Richard Boyd, USA, with Dr. Gary Gibbons aboard as flight surgeon. AMH1 Dan Zielke was the crew member. Two members of the China Lake Mountain Rescue Group, Dr. Carl Heller and Dennis Burge, were also along.

The local team spent most of Monday morning in the search.

Hobby Displays Needed

Young people in the area are encouraged to enter a display of their hobby work in the annual Youth Hobby Festival, which is scheduled to be held on May 11 at the Community Center.

Entry forms are available at the Ridgcrest City Hall, the Community Center, or the Youth Center. Deadline for entries is next Wednesday, May 8.

Anyone desiring further information should call Carol Hape, ext. 2909.

Social Security Agent Due

A representative of the Social Security office in Lancaster will pay another in her regular series of monthly visits to China Lake next Wednesday, May 8.

Persons wishing to apply for a Social Security number or obtain information about seeking Social Security benefits can do so at the Community Center between 8:30 and 11 a.m.



GARDEN SHOW WINNERS—Wanda Hewett, Alice Hirsch, and Marianne Kistler (l.-r.) were selected as winners in the 16th annual standard spring flower show of the Oasis Garden Club last weekend. Mrs. Hewett combined iris with dried branches in a gold pan for her winning entry, "Yellow Dust." Mrs. Hirsch won two awards for "The Birds Soar," an entry in the height unlimited pedestal arrangement. Mrs. Kistler won the tri-color award for her niche arrangement of Tropicana and Ole roses. Some 254 horticulture and 88 artistic entries brightened the Commissioned Officers' Mess during the show. The horticulture sweepstakes award was won by Kathy Pratt, (not in photo) whose rich purple Wiegelia Briston Ruby also won an arboreal award. —Photo by PH3 S. K. Reed

SHOWBOAT

MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED

General Audiences

(PG) - ALL AGES ADMITTED

Parental Guidance Suggested

(R) - RESTRICTED

Under 17 requires accompanying Parent or Adult Guardian

CS - Cinemascope

STD - Standard Movie Screen

Regular starting time—7:30 p.m.

Matinee—1 p.m.

FRI. 3 May

"THE TRAIN ROBBERS" (92 Min.)

John Wayne, Ann Margret
 (Western) There's a half million in stolen gold stashed away in the Mexican wastes, and how's the poor widow going to smuggle it home past a horde of avaricious outlaws? If she's smart and shapely as Ann Margret, she just might share her burdens with the Magnificent Seven rolled into one, John Wayne. The Duke and his sidekicks blast their way through the badgies and bring home the bacon, more or less. (PG)

SAT. 4 May

-FAMILY MATINEE-

"KING ELEPHANT" (93 Min.)

Narrated by David Wayne

-EVENING-

"YOUR THREE MINUTES ARE UP" (93 Min.)

Beau Bridges, Ron Liebman

(Comedy) Beau Bridges' three minutes are consistently up as he tries to explain his actions over the phone to fiancée Janet Margolin. She strongly objects to his friend, opportunist Ron Liebman. When the latter loses his unemployment insurance and his car is repossessed, he persuades Bridges to join him in a fling to be financed by credit cards now and cash never. (R)

SUN. & MON. 5-6 May

"MAGNUM FORCE" (124 Min.)

Clint Eastwood, Hal Holbrook

(Action Adventure) In San Francisco, known, but unconvicted mobsters and other felons, fall victim to an executioner dressed in a policeman's uniform. Working on the case for the San Francisco police force is detective Clint Eastwood. Eastwood soon narrows his suspects down to belligerent and aging detective Mitchell Ryan, and four traffic patrolmen with unusual skill at firearms. (R)

TUES. & WED. 7-8 May

"THE PAPER CHASE" (111 Min.)

Timothy Bottoms, Lindsay Wagner

(Drama) Academic year begins at Harvard Law school with Timothy Bottoms enrolling in Prof. John Houseman's course in contract law. Bottoms joins Graham Beckel's study group. Bottoms begins an affair with Lindsay Wagner, before learning that she is Houseman's daughter and is divorcing law student Bill Moher. Bottoms and Beckel cram together for the final exam. Realizing how impersonal everything is, Bottoms comes to an understanding with Wagner and ignores his grades. (PG)

THURS. 9 May

"BLACK BELT JONES" (87 Min.)

Jim Kelly, Gloria Hendry

(Black Action Drama) Mafia chief Andre Phillippe uses his winery as a front for illegal activities. Knowing that the city plans to build a civic center in downtown Los Angeles, he attempts to gain control of all the land in the area. Directly in the middle is Scatman Crothers' school of self-defense for young blacks. Phillippe wants pool hall proprietor Malik Carter to force Crothers into turning over the deed, but Crothers is accidentally killed and daughter Gloria Hendry inherits the academy. Black belt expert Jim Kelly and instructor Alan Weeks are impressed by Hendry's karate skill, particularly when she beats all of Carter's men. (R)

FRI. 10 May

"EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT SEX"

Woody Allen, John Carradine

Rated R—no synopsis available.

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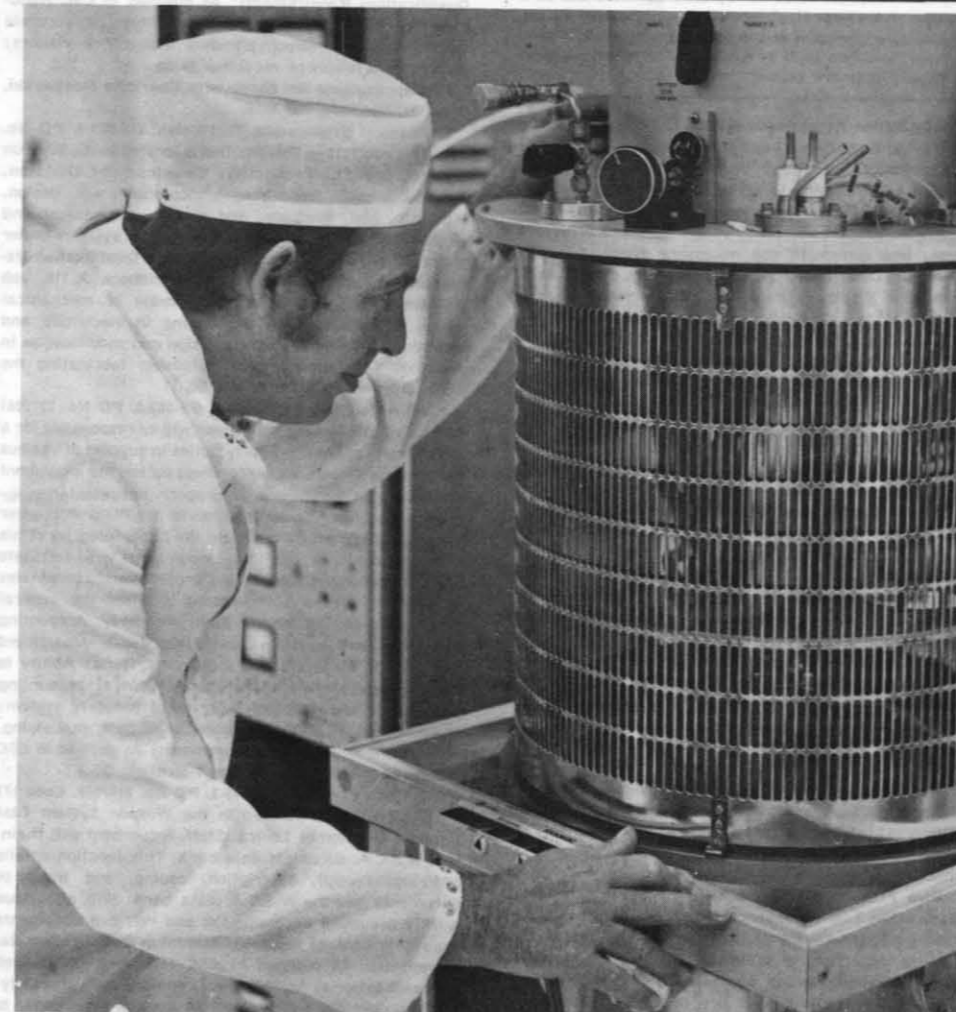
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Naval Weapons Center
 China Lake
 California

Vol. XXIX, No. 17



CHUCK CUTSINGER, a physical science technician in the Microelectronics Branch, is shown at work with the sputter vacuum deposition system—one of the pieces of highly specialized equipment that is used in applying thin films of alloy materials to produce thin film resistors. —Photos by PHAN Joe Dunn

New School Year Almost Here, But Amount of Fed'l Aid Unknown

With the date fast approaching for commencing the first year of operation of the Sierra Sands Unified School District on July 1, 1974, just how much federal aid will be available to help support the newly unified school district is an unanswered question.

Grant Pinney, who has been offered, and states he will accept, the post of assistant superintendent for business of the new unified school district, indicates that even though this is far from the optimum situation, it is not a novel one because school districts eligible for federal impact aid have for years found themselves in this same condition since the inception of Public Law 874 in 1950.

Pinney, as superintendent for business of the China Lake Elementary School District, has become an expert on the subject of PL 874, and is presently the California state chairman for federal impact aid to schools.

Task Complicated

This year his task of seeking Congressional support for impact aid legislation has been complicated, the China Lake school administrator said, because it is first necessary for the House of Representatives and the Senate to agree upon a bill authorizing the extension of PL 874.

At this date, the House of Representatives has done so by passing HR69 with only a minor change in PL 874. Now the matter rests with the U.S. Senate, where PL 874 is getting rough treatment, Pinney stated.

On the plus side, however, the Senate has proposed that PL 874 be extended for five years, instead of three years—the length of time agreed upon by the House of Representatives.

The U.S. Senate is expected to work out its

version of the PL 874 authorization measure this month, and the differences between the House and Senate proposals then will have to be ironed out by a conference committee composed of both Senators and

(Continued on Page 3)



THIS IS AN ultrasonic gold wire bonding machine that is used by technicians of the Microelectronics Branch to electrically connect various components to the conductor runs. The machine uses gold wire that is .001 in. (1 millimeter, in diameter). The operator in this photo is "Sam" Shaffer, an electronics mechanic.

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Microelectronics Branch Aims for Smaller Circuits Able To Do Bigger Jobs

Smaller and smaller while getting better and better results—that's the aim of NWC employees who are involved in creating and building tiny microelectronic circuits that are so small they must be fabricated using a microscope.

While microelectronics is relatively new, it is a well established advance in the field of electronics and a radical departure from the technology commonly used in the fabrication of discrete component circuits. Dr. W. P. (Bill) Webster, head of the Microelectronics Branch of the Engineering Department's Electromechanical Division, stated.

As the Naval Weapons Center's primary microelectronics group, the Microelectronics Branch (Code 5525) is responsible for keeping abreast of the new developments in this field—especially components, materials and fabrication techniques. Employees in Code 5525 also provide design assistance to any NWC group using these devices in their circuits and most importantly, provide the Center with a prototype design and fabrication facility for microelectronic circuits and components.

Advantages Cited

Here, however, the Microelectronics Laboratory personnel concentrate their efforts in support of the Center's development projects, such as the AIM-9L, Condor, Shrike and Agile. The use of hybrid microcircuits has the advantage not only of reduced size and weight, but also increased reliability. Other advantages include improved electronic shielding, reduced stray reactance and improved operation under mechanical and thermal stress. These advantages are obtained at a cost very nearly equivalent to that of the more standard packaging techniques.

Right now, the branch is building

preamplifiers for the AIM-9L and Agile missiles, a 102-channel signal conditioner unit for the Condor telemetry package, and the electronics for an active optical fuze, plus doing circuitry for the Micrad signal processing system. In addition, Code 5525 personnel also have fabricated driver circuits for gallium arsenide injection laser arrays for the active optical fuze program. During the past year, a variety of hybrid circuits have been fabricated for telemetry systems being developed by the Naval Missile Center at Pt. Mugu.

Responsibilities of Branch

As the Naval Weapons Center's primary microelectronics group, the Microelectronics Branch (Code 5525) is responsible for keeping abreast of the new developments in this field—especially components, materials and fabrication techniques.

Employees in Code 5525 also provide design assistance to any NWC group using these devices in their circuits and most importantly, provide the Center with a prototype design and fabrication facility for microelectronic circuits and components.

The Microelectronics Branch (15 personnel in all) includes a half dozen technicians, an assembler, a junior professional, and seven professionals. The latter are a chemist, three electronics engineers and three physicists.

There are four separate, but closely related, sections in the branch which have overlapping technologies and techniques.

(Continued on Page 3)

Congress Asked To Appropriate Funds For Back Pay Due

The Navy Times reports in its May 1 issue that President Nixon has asked Congress to appropriate money to start paying the court-ordered back pay due military and federal workers for a pay increase that was delayed three months in 1972.

The lawmakers are expected to act on the measure without delay, so payments should begin soon, Randall Shoemaker, the writer of the Navy Times article reported.

While not even a tentative starting date has been mentioned, high government sources have said all departments and agencies would begin their payments at the same time, the Navy Times story continues.

The cost has been officially estimated at approximately \$530 million, but most experienced observers expect the final total to go far higher in order to cover the back pay increase that was withheld for the period from Oct. 1, 1972, to Jan. 1, 1973.

Military personnel eligible for this retroactive pay boost are those who were on active duty at that time, those who were receiving drill pay for reserve duty, and those who retired both during and since the three month period in which the increase in their pay was withheld.

Federal Civil Service employees who were on the payroll between Oct. 1, 1972, and Jan. 1, 1973, or who retired during or since that time, also will be entitled to this retroactive increase in pay.



MOTHER-DAUGHTER BANQUET PLANNED — Members of the committee to stage a Mother-Daughter Banquet by the Protestant Women of the Chapel gathered at the home of Janet Manning recently to finalize plans. They are (l.-r.): Jan Clay, Mary Ward, Bernice Schafer, Valorie Strommen and Mrs. Manning. The event will take place in the East Wing of the All Faith Chapel next Tuesday, starting at 6 p.m. Tickets are priced at \$2.75 for adults and \$2 for children. They are available at the NWC Chapel.

Protestant Women of the Chapel Schedule Annual Mother-Daughter Banquet Tuesday

The fifth annual Protestant Women of the Chapel (PWOC) Mother-Daughter Banquet will be held on Tuesday, starting at 6 p.m., in the East Wing of the All Faith Chapel. The banquet will feature a menu of waldorf salad, beef stroganoff with noodles, green beans, hot rolls, coffee, tea and milk and for dessert those attending can fix their very own fresh strawberry sundae. The theme for this year will be "Reflections," Mary Ward announced. Reflections will give mothers a chance to recall, and share, experiences as a child and young lady with their daughters.

The affair is being co-chaired by Janet Manning and Bernice Schafer; Mary Ward is handling programming; Betty Cook, catering; Val Strommen, decorations, and Jan Clay, printed programs. The Chaparral Club will cater the banquet and the men of the Protestant congregation will serve the ladies. Tickets are \$2.75 for adults and \$2 for children. Further information and tickets can be obtained by calling Chapel office, Ext. 3506. Mrs. Manning and Mrs. Schafer invite all residents of the area to attend this event.

The Rocketeer

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DEADLINES: Tuesday, 4:30 p.m.
Tuesday, 11:30 a.m.
The Rocketeer receives American Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with Nav Exos P35, revised July 1958. Office at Nimitz and Laurinns. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.



DIVINE SERVICES

PROTESTANT
Sunday Worship Service 1015
Sunday School — All Ages 0900
Wednesday Noon Bible Study 1130
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.

ROMAN CATHOLIC
MASS
1700 fulfills Sunday obligation
0700 0830 1130

BLESSED SACRAMENT CHAPEL
MASS
Daily except Saturday 1135
First Friday only 1635

CONFESIONS
Saturday 1545 to 1645
Sunday 0800 to 0825

CCD CLASSES
Sunday Kindergarten thru 6th grades 1015
Wednesday Seventh and 8th grades 1900
Above classes are held in Chapel Annexes across from Center Restaurant. As announced. Ninth thru 12th grades "In Home" Discussion Groups Monthly Youth Rallies Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING — ALL FAITH CHAPEL
Friday 1st and 3rd ONLY
Sabbath Services 2000
Saturday Sabbath School 0900

UNITARIANS
CHAPEL ANNEX 95
Services 1930

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 452, Extension 2049. Current applications (SF-171) or Standard Form 1772 should be submitted bringing your work history up to date if one has not been submitted within the last 4 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employee's present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Information Receptionist GS-304-4, PD No. 17315, Code 84112 — This position is head of the Badge / Pass Section of the Security Operations Division. Incumbent provides advice and guidance to civilian and military personnel concerning security clearance; determines types of passes required, prepares necessary forms, manufactures the pass, and completes the necessary file and records. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be able to type. Must have basic knowledge of NWC organization. Clerk-Typist, GS-322-2/3, PD No. 7495004, Code 95 — This position is located in the Personnel Security Clearance Section of the Security Operations Division. The incumbent performs a variety of functions including: interviews new employees and contractor personnel to obtain information for security clearance; types a variety of forms and letters, takes fingerprints, manufactures passes and identification cards and maintains files and records. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be qualified typist. Must be able to work under stress.

Firefighter, GS-081-3/4, PD No. 7284023, Code 842 — Two (2) vacancies. This position is located in the Fire Division of the Security Department. Incumbents respond to alarms for fires and other emergencies; participates in drills and classes covering all phases of fire prevention and fire fighting procedures, fire prevention and inspection, and pre-fire planning; periodically inspects Center buildings and property with regard to fire prevention and protection, elimination of fire hazards and maintenance of fire fighting equipment; and perform other duties as assigned. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to work under stress. Ability to deal effectively with the public and to exercise good judgment. Must be able to follow instructions.

Fire Protection Inspector, GS-081-7, PD No. 7484001, Code 842 — Two (2) vacancies. This position is located in the Fire Division of the Security Department. Major duties include inspections of buildings, their contents, utilities and surrounding areas and assignments involving life hazards, fire hazards and fire prevention deficiencies, recommends and follows up on corrective actions for fire hazards; presents fire prevention training to other Fire Division personnel; and tests, services and installs fire equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Knowledge of principles of fire prevention inspection. Knowledge of operations performed in assigned area. General knowledge of physical layout of NWC, including NAF.

Supervisory Firefighter, GS-081-9, PD No. 17105, Code 842 — This position is Assistant Fire Chief of the Fire Division in the Security Department. Incumbent is responsible for all firefighting operations on his shift. He directs responses to structural and crash fires, emergency aircraft landings, and rescue calls. He is responsible for administering personnel policies and procedures. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must have experience in directing crash and structural firefighting operations. Policeman / Policewoman, GS-082-7/8/9/10, PD No. 7484002, Code 843 — This position is located in the Police Division of the Security Department. Incumbent will perform his duties as a uniformed patrolman. He will be responsible for the prevention of criminality, repression of crime, apprehension of offenders, recovery of property, regulation of non-criminal conduct including traffic control and enforcement. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Incumbent must have the ability to work in stress situations. Must be able to exercise good judgment. Must be able to properly apply and enforce laws.



SPRING DINNER-DANCE TAKES SHAPE — The WACOM annual Spring Dinner-Dance, open to all Commissioned Officers' Mess members, will be held at the COM on Saturday, May 18, from 7 p.m. to 1 a.m. Tickets are \$14 a couple and the music will be provided by Art Dewp. The dinner-dance began to take definite shape when (l. to r.) Marilyn Felton, Sherrie Scheber and Dianna Sherman, met recently to prepare the decorations. Mrs. Felton and Mrs. Sherman are the co-chairwomen for the affair. Further information and / or tickets may be obtained by calling Mrs. Felton at 446-6865.

Sigma Xi Meeting Speaker To Describe New Eye Exam Method

The spring dinner meeting of the China Lake Chapter of Sigma Xi (formerly RESA) will be held next Tuesday, starting at 7 p.m., at the Commissioned Officers' Mess. Guest speaker of the evening will be Dr. Carroll T. White, a research psychologist



Dr. Carroll T. White from the Human Factors Division of the Naval Electronics Laboratory Center in San Diego.

Dr. White will discuss a new vision testing technique that has aptly been called "the miraculous new eye exams." It functions by placing an electrode on the back of the head of the individual being tested and watching a flashing light or checkerboard pattern as the person's brain responses to the visual stimulus are translated to a computer for analysis and plotting. At the point where the subject sees the stimulus best is where the brain signals are strongest. No longer must a person undergoing an eye examination read charts or make any verbal comments—he simply sits with his eyes open and the machine does the rest. Now, for the first time, eye examinations can be given to small children or mentally retarded persons with complete accuracy. This technique is now in use in children's hospitals and eye doctor offices around the country, and it all started as a vision research project for the U.S. Navy.

Tickets for the Sigma Xi dinner meeting, which must be purchased no later than 4:30 p.m. today, can be obtained from Paul Amundson, Marvin Backman, John Carroz, Dr. Fred Essig, Don Moore, Dr. Gil Plain, and Andy Victor. Price for the prime rib dinner (including wine) is \$6.50 per person.

PROMOTIONAL OPPORTUNITIES

Engineering Technician, GS-802-5/6, PD No. 7433033, Code 3232 — This position is located in the Fuze Project Branch / Development Division 1, Fuze Department. Incumbent processes flight records and examines such records for missing data and attempts to reconstruct missing data. Prepares and uses punch cards and updates and adapts current computer programs to meet new analysis problems. Assembles electronic circuits and makes tests and measurements using common laboratory equipment. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience reading flight test records. Ability to prepare and use punch cards. Ability to update and adapt existing computer programs. Experience in circuit assembly. Advancement Potential: To GS-7. File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371.

Supervisory Historian, GS-170-12, PD No. 7453009, Code 5133 — Position is that of Head, Special Writing Projects Branch, Publications Division, TID. Develops archives of historical and general reference material on the Naval Weapons Center and associated R&D programs for the U.S. Navy. Directs the writing, editing and coordinating of official administrative histories, unpublished manuscript histories, articles for open literature, and monographs on Navy R&D subjects. Minimum Qualification Requirements: As outlined in X-118. Job Relevant Criteria: Experience in planning and preparing scholarly narrative or documentary histories for publication. Skills in written and visual technical communication. Working knowledge of publishing techniques. Ability to deal effectively with people. Clerk-Typist, GS-322-4, PD No. 7459024, Code 4533 — Performs secretarial and clerical duties for the branch. Receives telephone calls and visitors, schedules appointments and meetings, handles correspondence, edits and types technical material, compiles and prepares reports. Minimum Qualification Requirements: As outlined in X-118. Job Relevant Criteria: Familiar with Navy correspondence, filing, and instructions. File applications for above with Mary Morrison, Code 457, Rm. 210, Ph. 2393.

Administrative Officer, GS-341-11 or 12, PD No. 7335118, Code 2506 — This position is located in the Electronic Systems Department, HARM Program Office. The incumbent is responsible for the monitoring of and generation of financial data, generation of preliminary personnel actions, contract monitoring and interface procurement of equipment and materials, facilities management, generation of program status reports, and program management support. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience working with work breakdown Structures, procurement, and contracting methods. Experience with computer financial plots, financial data extrapolation, and program planning. Clerk (DMT) GS-316-3 or 4 or Clerk-Typist, GS-322-3 or 4, PD No. 7335086, Code 3523 — Provides clerical support for two branches, 3523 and 3524, in the Electronic Systems Department. Incumbent types from handwritten or rough-draft copy, transcribes from dictaphone, technical notes; etc. Receives telephone and office callers, composes correspondence, receives and distributes mail, makes appointments, performs other clerical duties. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Reliability and dependability. Ability to type efficiently and accurately. Ability to operate an IBM Magnetic Selectric Typewriter (MST). Clerk-Typist, GS-322-3, PD No. 7433044, Code 3507 — This position will be filled on an intermittent basis. Position is located in the Production Group of the Shrike / Standard Arm Program Office of the Electronic Systems Department. Duties include assigning control numbers to drawings, specifications, and microfilm; maintaining control log; maintaining records and files; and typing production group correspondence. Assists in distribution of drawings and specifications. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to type efficiently and accurately. Reliability and dependability.

Electronics Engineer, GS-855-9, 11, or 12, PD No. 6955037, Code 5925 — This position is located in the Microelectronics Branch, Electromechanical Division of the Engineering Department. Incumbent is responsible for the design, analysis and fabrication of analog and digital and electronic circuits. These circuits are used in a variety of missile guidance, control, target detection, telemetry and test equipment systems developed by the Center. Job Relevant Criteria: Experience in design and analysis of a variety of digital and analog circuits for missile systems. Some familiarity with current Center development projects. Minimum Qualification Requirements: As defined in CSC Handbook X-118. File applications for above with Linda Grossman, Bldg. 34, Rm. 204, Ph. 2925.

Electronics Technician, GS-854-9, PD No. 7451038, Code 5152 — Position is located in the Electro-Optical Guidance Branch of the Systems Development Department. Incumbent performs design, development, assembly and test of electronic systems and components in support of electro-optical and infrared guidance systems. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to design, fabricate, and package electronic guidance subsystems for missiles. A background in mathematics and a thorough knowledge of laboratory and field testing of electronic systems and subsystems. File applications for the above with Pat Gaunt Bldg. 34, Rm. 212, Ph. 2514.

Employee In The Spotlight

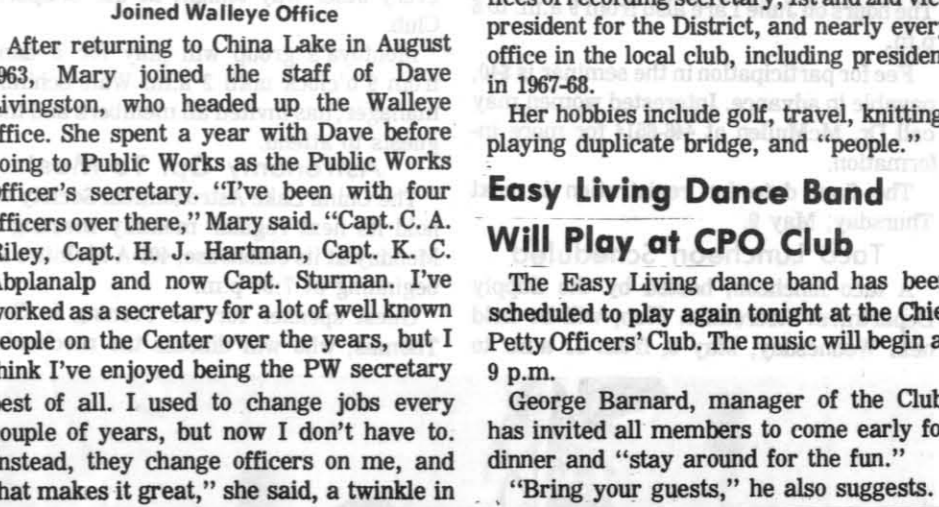
Who said an Okie gal couldn't make it in the big city? Mary Neufeld, secretary to the NWC Public Works Officer, Capt. W. H. Sturman, left her native Muskogee, Okla., after graduation from secretarial school to tackle Washington, D. C., in 1941. "I went to work for the Defense Housing Administration at first, but in 1948 I joined the Executive Office of the President, Bureau of the Budget," Mary said. Mary was working in Washington when all of the Democrats thought Thomas Dewey, governor of New York, would defeat Harry S. Truman for the Presidency in 1948. "It was really humorous," Mary recalled. "Everybody working for the administration was looking for another job. You never saw such a pall. Then ol' HST was re-elected and by a large majority. That sure brought the sunshine in," she laughed. While an employee for the Bureau of the Budget, Mary met Milt Neufeld. He came to China Lake in 1950 to work for Central Staff, and in April of that year, Mary followed him. The couple was married upon her arrival. Became a Housewife Mary quit work to become a housewife and to raise their son, Bill. However, in 1956 she went to work at the Pilot Plant for Roy Sutton, as a secretary. After about six weeks, Sutton was replaced by a Cdr. William B. Robertson. "That was my first experience working for a Naval officer," Mary pointed out. In 1960, Mary joined the staff of Bob Blaise, who was an assistant to then Associate Technical Director Hack Wilson. Blaise was replaced by Harold Metcalf. "My next job was working for Doug Colladay in the Weapons Planning Group," Mary recalled. "I worked for him until August of 1962 when Milt was sent to Newport, R. I., for a year. The family went with him," she added. Joined Walleye Office After returning to China Lake in August 1963, Mary joined the staff of Dave Livingston, who headed up the Walleye office. She spent a year with Dave before going to Public Works as the Public Works Officer's secretary. "I've been with four officers over there," Mary said. "Capt. C. A. Riley, Capt. H. J. Hartman, Capt. K. C. Abplanalp and now Capt. Sturman. I've worked as a secretary for a lot of well known people on the Center over the years, but I think I've enjoyed being the PW secretary best of all. I used to change jobs every couple of years, but now I don't have to. Instead, they change officers on me, and that makes it great," she said, a twinkle in



Mary Neufeld her eye.

Mary, who is labeled a "tremendous person" by Capt. Sturman, has been recognized many times by her superiors. She has received several QSIs and Out-standings. She has kept busy since Milt died in 1968 by stepping up her activity in the China Lake Business and Professional Women's Club, and in raising Bill. He completed work for a bachelor's degree in political science at UCLA last June, and is now taking a paralegal course to prepare for law school at UCLA extension. Mary's involvement in BPW finally paid off this year when she was selected as the president-elect of the Tri-Valley District of BPW, the first person from the Indian Wells Valley to hold that office. In her 10 years as a member of BPW, Mary has held the offices of recording secretary, 1st and 2nd vice president for the District, and nearly every office in the local club, including president in 1967-68. Her hobbies include golf, travel, knitting, playing duplicate bridge, and "people."

Easy Living Dance Band Will Play at CPO Club The Easy Living dance band has been scheduled to play again tonight at the Chief Petty Officers' Club. The music will begin at 9 p.m. George Barnard, manager of the Club, has invited all members to come early for dinner and "stay around for the fun." "Bring your guests," he also suggests.



FIVE NEW CHIEFS — Five Navy enlisted men at the Naval Air Facility were recently promoted to the rank of Chief Petty Officer. They are (l.-r.): CSC Marlo G. Guarnes, DTC John S. King, HMC John E. Kuttbauer, YNC Phillip L. Windle, and MRC John H. Nixon. Jr. Guarnes, a 20 year veteran, supervises the NAF Galley. King is the leading PO and Prosthetic Lab Technician at the NWC Dispensary. Kuttbauer, a 10-year Navyman, is supervisor of the Dispensary's Medical Records office. Windle is the NAF Administrative Supervisor, and Nixon supervises the 1st Lieutenant's Division at NAF.



By Jack Lindsey

The China Lake Intramural Golf League will get under way on Tuesday, May 14. First tee-off time will be 5 p.m.

All team rosters, to consist of a minimum of four starting players and two alternates, plus a \$12 entry fee per team, must be turned in to me no later than next Friday, May 10, at 4:30 p.m.

The league must provide its own trophies this year, hence the entry fee. All money will be returned in the form of trophies, and perhaps a small party.

It looked like there might not be a league during the captains' meeting held earlier this week. Rumor was that the clubhouse would be closed at 7 p.m. and that golf carts and the driving range would not be available.

I talked to John Shoaff, head of the Special Services Division, about the problem. He stated that, although he would be closing the pro shop at 6:30 p.m., with the pro shop personnel to stay no later than 7, that he was not looking for ways to curtail golf activities at the course.

"I am hiring some people and I'm sure that something will be worked out so that golfers can get to their lockers, etc.," he told me. In fact, John stated that he is looking for ways to increase golfers' use of the course. "I am currently studying the feasibility of keeping the course open on Mondays," he pointed out.

Of the 14 team captains present at the meeting, only three said they would field a team if golfers could not use the lockers. Also, it was pointed out that a revenue of approximately \$30 to \$45 per evening would be realized through the rental of golf carts. "More than enough to pay for someone to keep things open during the golf league," said Ed Nelson, who is treasurer of the China Lake Men's Golf Club.

Other points brought out at the meeting included the ruling that only golfers with current Southern California Golf Association (SCGA) handicaps will be allowed to compete in the league.

Tennis Club To Open Season With Novel Tourney on May 11

The China Lake Tennis Club has planned a "members only" tourney to start the summer season, but with a difference. This will be a social tournament, aimed at fun instead of trophies.

Called a "Chop Suey" tournament, competition will be mixed doubles with a change of partners after every match.

Non-members are encouraged to join the club and the festivities, which will continue after tennis is completed.

The tourney will start promptly at 9 a.m. at the China Lake tennis courts on Saturday, May 11. The only entry fee for members in good standing is a can of new tennis balls.

All those planning to enter should call Gary Fry, ext. 7302; Charlene Newmyer, 446-2845, or Al Riedler, ext. 3421, no later than next Friday, May 10.



WINNER — John DiPol (l.), chairman of the Range Commanders' Council's Executive Committee, presents a trophy to Rear Admiral Paul E. Pugh, NWC Commander, after the Center's Skipper won the trophy in an 18-hole golf tournament sponsored by the RCC last week. The tournament was included in the list of things to do and see at NWC during a two-day visit by more than 40 members of the Range Commanders' Council. —Photo by PH3 D. M. Jenereaux

CENTER SPORTS NOTES

The China Lake Men's Golf Club will stage its 13th annual Invitational Golf Tournament on June 1 and 2 at the local course.

Format for the tournament will be best ball of partners on Saturday, and aggregate score of partners on Sunday. Entry fee is \$60 per team and only SCGA or Public Links handicaps are allowed.

Entries close May 25 and golfers are urged to apply early. Entries will be turned in to Paul Someson, at the local pro shop, or to Ray Marsh, who heads up the tournament committee.

A \$2,000 prize list has been gathered and entry into the tournament includes a cocktail party, dinner-dance and other special events, including free liquid refreshments both days of the tourney.

T-Ball Tryouts Set

The final tryouts for the China Lake Little League's T-Ball Division will be held tomorrow morning at 9 o'clock on Diamond No. 4 (across the street from the Credit Union Bldg.).

This will be the last chance that 8 and 9 year olds will be able to sign-up and be guaranteed assignment to a team.

Twelve man teams will be standard this year, giving each youngster plenty of opportunity to play baseball.

A parent must accompany each child and proof of birth will be needed at the time of registration.

Pistol Matches Scheduled

The second of a monthly series of National Rifle Association approved Handicap Pistol Matches will be held at the Sierra Desert Gun Club pistol range next Thursday evening, May 9.

Anyone interested in competing must register by calling Mervyn Hoover at 446-6680 no later than 9 p.m. on Wednesday, May 8, or by signing the registration sheet at the clubhouse.

Tennis Clinic Coming Up

A tennis clinic, sponsored jointly by the China Lake Tennis Club and the NWC Special Services Division, will be held on May 14 and 16, 21 and 23, at the China Lake

Lanes To Shut Down

The Hall Memorial bowling lanes will be closed all day next Thursday and Friday, May 9 and 10, to enable resurfacing work to be done.

The bowling alley will re-open again at its regular time at 11 a.m. on Saturday, May 11, Dean Ray, the manager, reported.

VOLLEYBALL STANDINGS

Following are the standings in the China Lake Intramural Volleyball League as of Tuesday, April 30.

Division A		
Team	Won	Lost
Yahoos	22	2
Bouncers	19	5
CC Streakers	11	13
VX-5	5	19
Marharlika	3	21

Division B-1		
Team	Won	Lost
Streakers	23	1
C. C. Muffins	12	12
Short Timers	12	12
G. Potter	8	16
CCB	5	19

Division B-2		
Team	Won	Lost
Snorts	27	0
Rangers	12	12
Dearborn	11	13
Dog Lips	10	17
Washam	2	22

Division C		
Team	Won	Lost
NAF	21	6
Gould	15	9
NAF Turkeys	13	14
Half 'n Half	6	15
Corsairs	5	16

Women's Division		
Team	Won	Lost
Hustlers	18	0
Court Clowns	13	5
Continental	10	8
Our Gang	6	12
Desert Sounds	6	12
Volleyball Dolls	6	12
Fanny Flappers	4	14

Softball Registration Open at Youth Center

Persons wishing to register for the Youth Center's softball program must do so by Monday, May 13. The season will begin on May 22.

Teams will be limited to 15 players and must have an adult coach. A minimum of four teams will constitute the league and all games will be played at Reardon Field on Wednesday evenings.

Registration fee is \$7 per person. For further information, contact Carol Hape at NWC ext. 2909 or 2259.

tennis courts.

The clinic, which is scheduled from 7 to 9 p.m. on those days, will be limited to 80 persons. Registration is being held at the China Lake Youth Center. A fee of \$4 per person is being asked.

Girls' Softball Signups

Saturday, May 11, is the final day for girls to register for the 1974 Girl's Softball League. Sign-ups are currently being held during regular working hours at the Ridgecrest City Hall, 139 Balsam St., or at the China Lake Youth Center.

Little League Standings

Major Division		
Team	Won	Lost
Yankees	2	0
Pirates	2	0
Tigers	1	1
Dodgers	1	1
Giants	0	2
Red Sox	0	2



INVITATIONAL CHAMPS — Nancy Webster (foreground, left) and Mary Ann Castor (r.), winners of the low gross (85) and low net (70) prizes of the annual China Lake Women's Golf Invitational Tournament, held this past week, smile while Laurie Kail (background), president of the club, tells other golfers of their accomplishments. More than 80 women, representing 13 different golf clubs, teed off in the tourney. Local merchants donated many door prizes and the Women's Golf Club also gave out quite a few prizes to visiting golfers as well as to local hackerettes. —Photo by PH3 D. M. Jenereaux



RANGE COMMANDERS' COUNCIL HOLDS MEETING — Members of the Range Commanders' Council were at China Lake April 25-26 for their 44th meeting. More than 40 persons, representing 13 different ranges gathered for the two-day confab. They came from as far west as the Kwajalein Missile Range in the South Pacific, and as far east as the Air Force Eastern Test Range, Cape Kennedy, Fla. While at China Lake the men witnessed many presentations and listened to discussions ranging in subject matter from Federal property matters to the status of oil exploration at the Pacific Missile Range, Pt. Mugu, and at the

Armament Development Test Center, Eglin AFB, Fla. Rear Admiral Paul E. Pugh, NWC Commander, spoke on the subject of the proposed upper Mojave Desert land/air space long range study, and the oil exploration discussions were led by RAdm. W. M. Harnish, Commander of PMR, and Maj. Gen. H. B. Kucheman, USAF, Commander of the ADTC. Also while here, the men took part in the annual 18-hole Range Commanders' Council golf tourney. RAdm. Pugh won the Commanders' trophy, while Col. L. D. Horton, of Eglin AFB, was the winner of the perpetual trophy. —Photo by PHAN Joe Dunn

Work of Microelectronics Branch Described...

(Continued from Page 1)

They are the Hybrid Microelectronics Section, headed by Dick Tolkmitt; the Thin Film Section, where George Turner directs most of the work; the Photoelectric Device Section, composed of Milton Ritchie (currently attending Stanford University on an NWC Fellowship) and Cliff Fountain; and the Electronics Design Section.

The Thin Film Section fabricates specialized multi-layer thin film optical

conductor and resistor patterns are cut out in sheets of red plastic rubylith. These patterns are then photographically reduced by a factor of 20 to obtain glass slide negatives.

From the negatives, stainless steel screen masks are made for screen printing conductor and resistor ink onto ceramic substrates. These ceramics are miniaturized, printed circuit boards which can be made multi-layered if high density circuitry is required. After screen printing, the substrate is placed in a belt furnace for 20 minutes where a temperature of approximately 1,000 degrees Centigrade burns off unwanted solvents and binders and sinters the conductive and resistive particles of the inks.

Next Step in Process

Next in the process, a technician attaches the substrate to the package and then bonds resistor, capacitor and semiconductor chips to the substrate by "gluing" them on with a silver-filled electrically conductive epoxy. The chips in high frequency and high power dissipation circuits are bonded with eutectic solder. Now the circuit is ready for another technician who interconnects the appropriate circuit elements with .001 inch diameter gold wires (a third the size of a human hair).

During these stages of fabrication, the work is performed using a microscope and fine tweezers. To insure good quality control, the work of putting into place numerous wire bonds and chips is carefully cross-

checked by the individual technician handling the assignment as well as by others.

The individual monolithic integrated circuit chips in themselves consist of a multitude of transistors and resistors which have been fabricated in the surface of a single chip of silicon via diffusion processes. Between 2,000 and 3,000 transistors on a silicon chip that is just 2/10ths of an inch square is the present state-of-the-art component densities that can be achieved.

Further Testing Done

After the wires have all been bonded, the circuit goes into the testing laboratory where it undergoes electronic, temperature, and any other required tests before sealing. At this point, any necessary corrections or modifications to the circuitry can be readily accomplished.

After these tests show the circuit is sound and working properly, a cap is soldered or welded on to hermetically seal the package and the circuit is again tested to insure the sealing process did not affect the circuit.

A clean room at the NWC Microelectronics Laboratory is required for both the hybrid integrated circuit fabrication and the thin film deposition work. Since dust particles cause pin-holes in thin films and common vapors can change their characteristics it is critical that the work be performed in a controlled atmosphere, Dr. Webster emphasized.

Clean Room Equipment

In the Class 100 clean room a laminar flow of filtered clean air travels horizontally across the room at 1 mph to exits and is then recirculated. Both temperature and humidity are controlled. Within the thin film area are six vacuum coating machines - three of which work in an evaporative mode while the other three provide what is called sputtering deposition. The Microelectronics Laboratory is the only facility on the Center that offers vacuum sputtering capabilities.

Microelectronics work, which was started at China Lake in 1964 by Tolkmitt and Henry Blazek, is a rapidly expanding field. Since the move made in 1971 into the present Solid State Devices Laboratory, the Naval Weapons Center has developed one of the most modern facilities for handling this work in the Navy. An open invitation to tour the Microelectronics Laboratory is extended to interested NWC personnel.

Closed for One Day

The Navy Exchange Annex will be closed next Wednesday, May 8, for the purpose of laying a new file floor.

Lt. E. N. Smith, Exchange Officer, stated that the Annex will reopen for business on Thursday.

School Problem...

(Continued from Page 1)

Congressmen before a final vote is taken. Pinney will be traveling to Washington next week to address U.S. Senators regarding the Senate version of the PL 874 authorization bill, with his travel expenses being shared by some 500 school districts from throughout California, whom he will be representing on this issue.

While he is in the nation's capital this next time, Pinney plans to begin talks with members of the House of Representatives' Appropriations Committee, who will be handling the next step in the process of actually getting the federal money needed for support of the Sierra Sands Unified School District, and all other school districts eligible for federal impact aid.

In the case of the pending legislation covering appropriations, it too will be going through the House and Senate and is expected ultimately to end up in a conference committee before its final adoption.

President Richard Nixon's Fiscal Year '75 budget includes a request for \$229.3 million in operating funds for Category A students—those whose parents both live and work on federal installations. This is an increase over last year's request of \$217.8 million.

On the other hand, the President's budget calls for a slash in funds for Category B students—those whose parents work for the federal government but who live off-base—to \$40 million for FY75, compared to last year's level of \$307.1 million.

Pinney will be testifying before the House Committee on Appropriations and asking for as much money for Category B students as was allocated last year, since this funding will be vital to the support of the newly unified school district here.

McAllister To Take Part in Dedication Of Michelson School

D. T. McAllister, a consultant in the Technical Information Department whose duties include those of curator of the Michelson Museum, will participate this evening in a program being held to mark the formal dedication of the new Albert A. Michelson School in Murphys, Calif.

The town of Murphys is located in California's mother lode gold country—about 18 miles from the City of Sonora.

McAllister's part in the program will be to present a short talk and then show a film entitled "Three Glimpses of A. A. Michelson at the Peak of His Career."

The film was put together in 1966 by Dr. Jean Bennett, of the NWC Research Department; Everett Baker, a motion picture specialist in TID's Presentations Division, and McAllister.

The latter supplied the documentation and a number of photos and the film was pieced together using bits of old newsreel film footage that it was possible to locate.

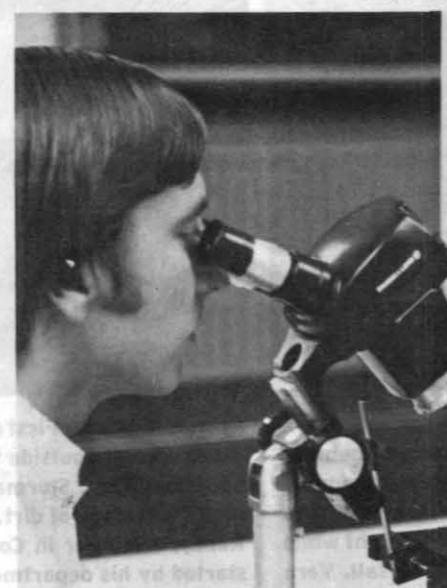
Shown at Hall of Fame

It is the same film that was shown last October when the bust of the Naval Academy graduate, who became America's first Nobel prize winner in physics, was dedicated at the Hall of Fame for Great Americans at New York University.

This is a return to the town of Murphys for McAllister, who was there last August during the cornerstone laying ceremony for the new A. A. Michelson School and provided some of the special material about the famous Navy scientist that was sealed in a box behind the cornerstone.

The contribution from the Michelson Museum at NWC to the cornerstone box included a Michelson memorial medal commemorating the dedication of Michelson Laboratory in 1948, and a copy of the booklet "The Albert A. Michelson Nobel Prize and Lecture," published here in 1966.

The old public school at Murphys was attended by young Michelson up until the time he was a sixth grader. Prior to its recent replacement by the new A. A. Michelson School, it was the oldest public school in California still in continuous use.



SCREEN-PRINTED resistors can be trimmed to within 1/10th of a percent of a desired value using the laser resistor trimmer shown being operated by Pat Nalley, an electronics engineer in Code 5525.

Cost-of-Living Adjustment For Annuitants Now Being Considered

The Civil Service Commission has announced the possibility of a Cost-of-Living (COL) adjustment of annuities to become effective on July 1, 1974.

The Civil Service Retirement Law provides for an automatic increase of Civil Service annuities whenever the COL, nationwide, goes up by at least three percent for three consecutive months over the Consumer Price Index (CPI) for the month used as the base.

The present base month is October 1973. February 1974 was the first month since October 1973 that the percentage rise in the CPI equaled at least three percent over October 1973; the percentage rise equaled 3.6 percent this past February.

If the percentage rise continues to stay up by at least three percent in March and April, annuities will be increased by the highest percentage increase in the CPI during the

Early Retirement Now Optional For All DoD Employees

In 1973, the President signed into law an early optional retirement program for Federal employees whose command or agency is undergoing a major reduction in force.

In accordance with this program, the Civil Service Commission has authorized the early optional retirement of all civilian employees of the Department of Defense in the 50 states and the District of Columbia. This authorization will extend from May 1 through Aug. 31, 1974.

All retirements under the early optional retirement will be strictly voluntary on the part of the employee. Employees meeting the following requirements are eligible to retire under this authorization:

(a.) Attainment of age 50 and completion of 20 years of creditable service, including five years of civilian service; or (b.) regardless of age, completion of 25 years of creditable service, including five years of civilian service.

If the retiring employee is under age 55, the basic life annuity rate will be reduced by 1/6th of one percent for each full month (two percent a year) that the employee is under age 55. This annuity rate will not be increased when the annuitant reaches age 55.

Like Optional Retirements

All retirements of those employees exercising the early optional retirement will be treated as optional retirements except employees who are actually reached for separation in a RIF action. Employees who are reached for separation in a RIF action continue to be eligible for a discontinued service annuity. The different types of retirement affect future retirement rights should the employee be re-employed later. Interested employees should contact their Personnel Management Advisor for further information.

There is no guarantee when or if the Civil Service Commission will again make this early optional retirement available, especially on such a broad scale. Therefore, individuals contemplating retirement in the near future, but who do not wish to retire, at least fully, during the specified dates, may want to consider another possible option.

Employees may retire and be re-hired (either part-time, intermittent, or even full time) as re-employed annuitants. In these cases the employing activity pays the individual the difference between his annuity and what his salary would be as a regular employee.

This kind of an action would require concurrence from both the department involved and the employee and should be approached only with involvement of the department's Personnel Management Advisor.

three-month period, plus an additional one percent authorized by law.

Formerly, in order to receive a COL increase, a person's annuity had to begin on or before the effective date of the increase. This requirement was changed by a new Public Law signed in October 1973. The new law provides that an immediate annuity which begins after the effective date of a COL increase will be the greater of the following two annuity rates:

(1) The amount of the actual annuity earned as of the date of separation; or (2) the annuity that would have been payable based on total service and high-three average pay that existed on the day before the last COL increase became effective, plus the percentage of that COL increase.

For example, if you retire no later than June 30, 1974, the amount of your earned annuity through the date of your retirement will be compared with the annuity based on your service and average pay through Dec. 31, 1973, plus the 5.5 percent COL increase which became effective on Jan. 1, 1974. Your annuity will be whichever is the larger amount.

Increase Likely in July

For the purpose of this comparison, you will be assumed to have met the age and service requirements for retirement on Dec. 31, 1973, even if actually you were not eligible to retire at that time. Employees who retire on or before June 30, 1974, will also receive the increase which is likely to become effective July 1, 1974.

The exact percentage will be announced if and when the COL increase in annuities becomes definite. This information will not be available until the latter part of May.

For employees retiring after June 30, 1974, your earned annuity as of the effective date of your retirement will be compared with the annuity based on your service and average high-three pay that existed on the day before the last COL increase became effective on June 29, 1974, plus the percentage of that COL increase. Your annuity will be whichever is the greater of these two amounts.

Employees wishing further information on retirement should contact their Personnel Management Advisor to arrange for retirement counseling.



RECEIVES BENNY SUGG AWARD — Mel B. Sorge, head of Central Staff (l.), had the pleasure recently of presenting a Beneficial Suggestion Award check for \$185 to Evelyn M. Peck (r.), a financial control clerk in the Accounting and Disbursing Division of Central Staff. Mrs. Peck's suggestion of discontinuing one copy of the weekly cost report (CFM 004) was figured to save the government \$2,700 per year. Her division head, Don T. Green, looks on.

Membership Tea for Maturango Museum Docents, Luncheon Helpers Set May 8

The Maturango Museum Docents and the Monday luncheon volunteers will hold a joint membership tea next Wednesday in the Mojave Room of the Commissioned Officers' Mess, beginning at 3 p.m.

Primary purpose of the get-together will be to introduce the two organizations to women who would like to become members. The Docents' principal function is to man the museum on weekends, while the volunteers are the women who prepare and serve the Museum Mondays' luncheons.

Lorrie Van Hagan, chairman of the Docents, and Willa Schaniel, chairman of

the volunteers, are planning a festive occasion for the membership tea. On hand will be Sue Byrd, creator of the gourmet menus at the Monday luncheons; Ada Scarborough, who will provide floral decorations, Clarine Pugh, Lorraine McClung, Debbie Cattern, Betty Jane Leonard, Clare Hunter, Helen Reynolds, Jean Christman, Pat Silberberg and Lu Hillyer. These women will see to it that newcomers are well fed and well informed. Husbands are also welcome to the tea. Anyone interested in joining one of the two organizations, or both of them, is welcome.

International Fashion Show Ends Tonight

The final presentation of an International Fashion Show, co-sponsored by the China Lake branch of the American Association of University Women, the Human Relations Committee of the Desert Area Teachers Association and the IWV branch of the NAACP, will be held tonight at the Community Center, beginning at 6:30.

The price of admission is \$2 for adults and \$1 for children. All proceeds will go to the Martin Luther King, Jr., scholarship fund as a contribution from the California Teachers Association.

The show features clothing and costumes

from 35 different countries in the world, representing nearly every type of culture on the globe. They will be modeled by 71 adults and 33 children during the two-hour fashion event.

The commentators are Rose Varga and Ava McClendon.

Two soloists will enliven the evening. They are Maria Stankowich, who will be accompanied by Noriko Iwamura on the piano, and Every Jo McClendon, whose accompanist is Frank Dickey.

The Dan Lydon Combo will provide the music during the remainder of the program.



ADDITIONS TO NWC LANDSCAPING — Some 300 palm trees, a gift to the Center from E. H. Heinemann, who is a former member of the NWC Advisory Board, were brought here recently from the Salton Sea area. The trees, now just 3-4 ft. tall, are of two varieties—one that will grow to a maximum of 30 ft. in height while others have the potential for growing as high as 70 ft. tall. Vern Bradshaw (in foreground at left), a planner and estimator in the Public Works Department's Maintenance Control Division, was flown to the Salton Sea site by Joel Halop, his Division head, in one of the Navy Flying Club aircraft to look over the trees before the decision was made to bring them here for use in landscaping at various locations. Shown examining the trees upon their arrival are (in left photo) Capt. W. H. Sturman, NWC Public Works Of-



ficer, and Halop. First of the palm trees to be planted were put in place recently outside the Enlisted Men's Dining Room. On that occasion, Capt. Sturman began the preparations by turning the first shovels full of dirt. Others in photo are Bradshaw and Harry Raney, a laborer in Code 70415, who is waiting to finish the job started by his department head. Two groups of three trees each were planted at the Enlisted Men's Dining Room; others will be set around the golf course and the remainder will be placed as requested by individual departments. All of this work is on a reimbursable basis. Bradshaw, whose specialty is grounds care, is responsible for conservation and economical upkeep of landscaped areas around the Center. He also oversees the planting of different kinds of shrubs that help to combat erosion.

Wildflower Festival Staged at China Lake

WILDFLOWER SHOW BIG SUCCESS — Featured within the comparatively confined area of the Community Center, the beauty and wonders of the desert in springtime were displayed magnificently this past weekend during the 27th annual WACOM-sponsored Wildflower Festival. This year's event included, as an added attraction, a field trip to Little Petroglyph Canyon where ancient rock carvings abound. Saturday's trip was led by Jim Baird, while on Sunday K. H. Robinson and Carroll Evans were in charge of the outing. A total of 100 cars averaging four persons per vehicle took advantage of this opportunity to see and take photos of the area that has been preserved as a national monument. In photos (reading clockwise from top right) are: (1) Baird is seen giving preliminary instructions to the party he led before they started down into Little Petroglyph Canyon. (2) Dr. Howard Harmon, superintendent of the Sierra Sands Unified School District, looks over some of the many rock carvings to be seen. (3) Panamint Hall in the Community Center was filled with tables on which countless varieties of wildflowers and desert plants were identified. (4) Close-up of a rock carving. (5) NAF Chaplain F. R. Zobel and his daughter, Deanna, age 4, inspect the papier mache centerpiece (a replica on the basalt cliffs on which the petroglyphs are found) that was the focal point of interest at Cactus Hall in the Community Center. (6) A visitor from Santa Ana gets his own photo record of the petroglyphs.



Photos By PHAN Joe Dunn and Don Yockey

