



A VARIED musical menu was dished up at the Desert Community Orchestra "Pop" Concert staged Saturday night on the lanai at the Commissioned Officers' Mess. The program ranged from familiar numbers, such as the themes from "Love Story" and "Intermezzo" played by the orchestra's string section and directed by Charles Wood (above) to several well-known jazz tunes served up by Ken Robinson's Dixieland Band. The program also included a piano solo by Stephen Bergens, a string quartet playing music by Franz Schubert, and was topped off by a number of lively tunes rendered by a five-man German band.

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
(GP) - ALL AGES ADMITTED
Parental Guidance Suggested
(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

FRI 17 SEPT.

"MY FAIR LADY" (170 Min)
Audrey Hepburn, Rex Harrison
(Musical) Bernard Shaw's delightful play about the transformation of a Cockney girl into a princess is told with lilting tunes by Lerner & Loewe. Rex is the professor who bets he can pass Audrey off as a Duchess at an Embassy Ball even though she is "a squashed cabbage leaf". DON'T MISS IT! (G)
No Shorts

SAT 18 SEPT.

-MATINEE-
"BRIGHTY OF THE GRAND CANYON" (98 Min)
Joseph Cotten
"Squatter's Rights" (7 Min)
"Hurdy-Hurdy Hare" (7 Min)

-EVENING-

"THE OUT-OF-TOWNERS" (98 Min)
Jack Lemmon, Sandy Dennis
(Comedy) Don't miss the hilarious adventures of an Ohio couple who fly to New York for his job interview. The trip turns into an endless nightmare of mishaps like lost luggage, mugging, strikes, etc. A wacky laughfest! (G)
"Daddy Duck" (7 Min)

SUN & MON. 19-20 SEPT.

"20,000 LEAGUES UNDER THE SEA" (126 Min)

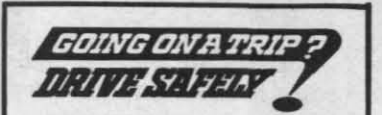
Kirk Douglas, James Mason
(Adventure) The classic tale of Jules Verne about a group of scientists who chance upon the renowned Captain Nemo and his then advanced submarine, the great sea battle and fight with a gigantic squid! It's a Disney classic for young and old, thrilling sci-fiction. (G)
No Shorts

TUES & WED 21-22 SEPT.

"VON RICHTHOFEN & BROWN" (101 Min)
John Phillip Law, Don Stroud
(War Drama) See the daring aerial exploits of the famed Red Baron and his Luftwaffe flying Circus squadron as they try to outfox the valiant British Air Force. Thrilling action in the skies of France! (GP)
"Doves & Hawks" (7 Min)

THURS & FRI. 23-24 SEPT.

"TWO MULES FOR SISTER SARA" (105 Min)
Clint Eastwood, Shirley MaClaine
(Adventure) Dressed as a nun, Shirley is rescued by rugged Clint and she cons him into helping the Justices capture a French-held garrison down in colorful Mexico. Hard-bitten dialogue and some mature scenes. (GP)
"Gooney's Goody Landing" (7 Min)



Department. Incumbent performs operation of the blueprint control center and the operation and maintenance of reproduction equipment. Minimum Qualification Requirements: GS-4, one year general plus one year specialized; GS-5 in accordance with CSC handbook X-118. Advancement Potential: GS-5.
Electronics Engineer, GS-801-9, PD No. 7140105, Code 4081—This position is located in the Airborne Optical Devices Branch, Optical Sciences Division, Weapons Development Department. Must have a good knowledge of the fundamental theories and concepts of electronic circuit design, solid state devices, integrated circuits, and control circuits, and a good knowledge of the uses of laboratory testing, measuring, and data recording devices. Minimum Qualification Requirements: Bachelor of Science degree in electronic engineering, plus experience, in accordance with CSC Handbook X-118. Advancement Potential: May advance to GS-12. File applications for above with June Chipp, Bldg. 34, Rm. 206, Phone 2676.

From _____

TO _____

PLACE STAMP HERE



DUTIES OF Aircraft Maintenance Department Officer at the Naval Air Facility have been taken over by Cdr. Robert Good, who arrived here on Sept. 1 after being transferred from the Naval Ordnance Systems Command in Washington, D.C. Cdr. Good, an 18 year veteran of service as a Navy officer, served two combat tours in Vietnam as a member of Fighter Squadron 143 based at Miramar, and also was assigned as aircraft handling officer aboard the USS Oriskany. Cdr. Good was accompanied to China Lake by his wife, Nelli, and their two sons, Chuck, 13, and Martin, 9.



HONORED—Word that he had been appointed a national director of the Society for Technical Communication was received recently by C. E. Van Hagan, acting head of the Technical Information Department. Primary purpose of the society is to advance the theory and practice of the arts and sciences of technical communication. One of 22 Fellows of STC, Van Hagan serves as chairman of National Committee on Chapter Programs. He also was a founding director of the Technical Publishing Society, which was one of the forerunners of STC.

nwc rocketeer

Naval Weapons Center
China Lake
California

Vol. XXVI No. 37

Sept. 17, 1971

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Fellowships Awarded Nine NWC Employees

Advance Study Slated In Professional Fields

Nine men from NWC will attend school this fall under Fellowship programs, first begun in the early '50s. Six employees are to study under NWC Fellowships with three men working for Masters Degrees under USC Fellowships. Estimated value of the Fellowship awards for 1971-1972 is \$219,079.

The NWC Fellowship recipients are James R. Belisle, Edward J. Bevan, Gary E. Castor, David H. Hall, Ted Miyatake and Lowell H. Wilkins. USC Fellowships went to John R. Lorch, James E. McGuire and Dennis M. Moore.

Selections for Fellowships are made by the Education Committee for Ordnance Sciences (ECOS), composed of representatives of various academic specialties and functional areas of the Center's work. The committee, originally called the Professional Development Committee, began in July 1956. It is presently composed of the following members: Dr. Marguerite M. Rogers, chairman; Herbert A. Bulgerin, William R.

Hattabaugh, William F. Meggers, Richard W. Murphy, Dr. Arnold T. Nielsen, Dr. Merle E. Ross, Dr. Robert F. Rowntree and Dr. William F. Thielbahr, all of whom are voting members. Three others serve as advisory members. They are R. Fredric Ladda, Dr. Fletcher R. Phillips and Dr. William J. Stronge.

Since the program's inception, 50 PhD degrees have been awarded under Fellowships.

The selectees this year were chosen from five NWC Fellowship applicants, eight NWC Fellowship extension applicants and five USC applicants. They were chosen for the Fall semester only. There will be further applications for the Spring semester of school.

USC Fellowships
John R. Lorch—An employee of Code 3521, RF Measurement Branch, Lorch will attend USC seeking a MSEE Degree. He currently holds a BSEE from the University of Wisconsin, awarded in 1965. He and his wife, Elizabeth,



Jim McGuire

have two children, Lynnette and Matthew.

James E. McGuire—McGuire will also seek a MSEE Degree from USC. The Code 5503 employee currently holds a BSEE from the University of Iowa, awarded in 1958. He and his wife, Florence, have a son, James and a daughter, Janet.

Dennis M. Moore—A graduate with a BSEE Degree in 1969 from the University of Nebraska, Moore seeks his MSEE from USC. He is employed in the Weapons Control Branch, Code 4053. He and his wife, (Continued on Page 3)



Dennis Moore



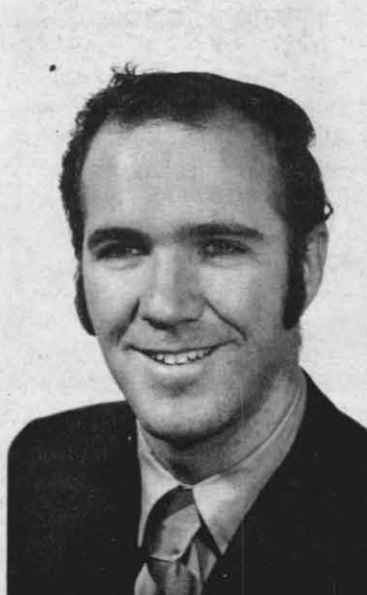
John Lorch



David Hall



Gary Castor



Ed Bevan



Jim Belisle



Lowell Wilkins



Ted Miyatake

PROMOTIONAL OPPORTUNITIES

(Continued from Page 2)

Mechanical Engineering Technician, GS-802-8, PD No. 7140101, Code 4091—This position is located in the Weapons Development Department, Electro-Optical Division, Missile Development Branch I. Duties will include design, fabrication, testing and modification of electro-mechanical gyro guidance systems. The work will consist of assembly of gyro gimbal systems which involves precision bearings, gimbal wiring, simple and complex linkages, and the design and fabrication of small component parts. Qualification Requirements: Applicant should have a minimum of 2 years precision machine shop experience with working tolerance to .0002 of an inch, along with metallurgy and mechanical drawing. Some knowledge of electrical wiring is desired. Advancement Potential: May advance to GS-10.
Physicist, GS-1310-12, PD No. 7140102, Code 4082—This position is located in the Optical Technology Branch, Optical Sciences Division of the Weapons Development Department. The Branch functions are exploratory and advanced development in the field of electro-optics including infrared technology. The responsibilities of this position are to plan, initiate and accomplish research and development programs in this field. Both in-house and contractual efforts are utilized to accomplish specific developments. Qualification Requirements: In accordance with CSC Handbook X-118.
Mathematics Technician, GS-1521, 5 or 6, PD No. 7040017, Code 4009—This position is located in the Consultant Staff of the Weapons Development Department. The function of the staff is to implement the Mark III Management Data Program. The incumbent will assist senior staff personnel in analytical investigations by performing programming and data assessment services as required. Qualification Requirements: As outlined in CSC Handbook X-118. Job Relevant Criteria: Key punch and IBM 1620 computer operation ability. Advancement Potential: May advance to GS-6.
Math Aid, GS-1521-4, (Part Time) PD No. 7140103, Code 4055—This position is that of math aid for the Weapons Analysis Branch, Weapons Development Department. Performs mathematical computations in support of analysis being conducted by professional member of the Branch. Also prepares graphs and tables and operates card punch equipment. Detailed instructions on format and procedure are provided. Minimum Qualification Requirements: High school education. Accuracy in computations and

neatness in transcribing data are essential and in accordance with CSC Handbook X-118. Advancement Potential: May advance to GS-5.
File applications for above with June Chipp, Bldg. 34, Rm. 206, Phone 2676.
Administrative Assistant, GS-341-4, PD No. 4920044, Code 355—This position is that of Administrative Assistant for the Countermeasures Division, Electronic Systems Department. The purpose of this position is to assist the Division Head and Division personnel in personnel administration, planning, budgets, reporting, and a variety of miscellaneous administrative duties. Qualification Requirements: As outlined in CSC Handbook X-118. Job Relevant Criteria: Must be able to work with people and to gain their cooperation. Must be able to ascertain and understand the policies of the Department, Center, Department of Defense, etc., and apply these policies where applicable.
Physicist, GS-1310-9 or 11, PD No. 7138154, Code 3533—The Optics Branch responsibilities include the operation of the Joshua Ridge Electro-Optical Facility, the evaluation of electro-optical sensors, and the collection of base-line optical engineering data. Duties include devising project test procedures, installation and alignment of various optical components, the conduct of specified optical test, and data analysis. Components include lenses, mirrors, lasers, telescopes, spectroradiometers and other complete electro-optical systems. Minimum Qualifications Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria and/or Selective Placement Criteria: Thorough knowledge of standard practices, principles, and techniques of optics; a very good knowledge of mathematics and physics; and the use of laboratory testing, measuring and data recording devices gained through experience, education or a combination thereof. Advancement Potential: May advance to GS-11.
File applications with Sue Prasolowicz, Bldg. 34, Rm. 206, Phone 2577.
The Naval Weapons Center, China Lake, Calif., announces a Competitive Promotion Examination 20 September 1971 for Refrigeration & Air Conditioning Mechanic, General Foreman, WS-53006-13 Annc. No. NWC-14 (71). Applicants must file Standard Form 172 (supplemental experience or qualification statement) and supplemental wage grade supervisory information sheet with the Special Examiner, Code 452, China Lake, California to be received or postmarked by 4 October 1971. Forms may be obtained from the Personnel Bldg., Room 100, China Lake, Calif.

Calif., announces a competitive promotion examination 20 September 1971 for Electrician, General Foreman, WS-28005-13 Annc. No. NWC-16 (71). Applicants must file Standard Form 172 (supplemental experience or qualification statement) and supplemental wage grade supervisory information sheet with the Special Examiner, Code 452, China Lake, Calif., to be received or postmarked by 4 October 1971. Forms may be obtained from the Personnel Bldg., Room 100, China Lake, Calif.
The Naval Weapons Center, China Lake, Calif., announces a competitive promotion examination 20 September 1971 for refrigeration & air conditioning mechanic, Foreman, WS-53006-10 Annc. No. NWC-17 (71). Applicants must file card form NAVEXOS-4155AB, Standard Form 172, and supplemental wage grade supervisory information sheet with the Special Examiner, Code 452, China Lake, Calif., to be received or postmarked by 4 October 1971. Forms may be obtained from the Personnel Bldg., Room 100, China Lake, Calif.
Program Manager, GS-340-12, PD No. 7155075, Code 5503—Incumbent will be the Center counterpart of an Assistant Project Manager (Logistics) (APM(L)) in NAVAIR Code 4104. Will either have a formally recognized position on project team or provide services as required. In either case will be responsive to needs of project and responsible to the ILS Coordinator in the Chief Engineer's Office. Assists Program Managers in writing an ILS Plan tailored to requirements of the particular development program. Assures that quantitative and qualitative support system requirements are included in appropriate project and contractual documents. Assists in making trade-off decisions during the design process. Assures that activities of those project personnel responsible for logistic element inputs are in accordance with prescribed milestones. Minimum Qualifications: Bachelor's Degree in Science or Engineering is required. 3 years experience with at least 1 year in progressively more complicated design of weapon systems, subsystems and components is required. Job Relevant Criteria: Familiarity with weapon development from concept formulation through operational use is required. Experience in the performance of reliability and maintainability calculations and trade-offs is highly desirable.
File applications for above with Joan MacIntosh, Code 657, Rm. 212, Ext. 2371.
Office Machine Operator, GS-350-4 or 5, PD No. 7400479, Code 4014—This position is located in the Documentation Branch, Technical Services Division, Weapons Development

Activity Hits Fever Pitch In Preparation for Annual Fair

Activity is reaching a fever pitch in preparation for the 21st annual Desert Empire Fair, which will open a five-day run at 5 p.m. on Wednesday, Sept. 29, at the fairgrounds in Ridgecrest. A fun-filled midway, featuring rides and carnival attractions

brought here by the SJM Fiesta Shows, as well as games and refreshment booths sponsored by local clubs and organizations, will be among the main attractions at the celebration, along with exhibits under the big top and a parade on the morning of Saturday, Oct. 2.

The deadline for submitting parade entry forms is this Saturday (Sept. 18), Jeanne Thornburg, director of this event, reminded all interested persons this week.

Entry forms can be obtained from Mrs. Thornburg at her home, 129 Fire Opal Dr., Ridgecrest, or from the fair's headquarters office in the Decorator Showcase, 205 Balsam St., Ridgecrest.

No fee is charged for entering this event, and trophies and ribbons await the winners and runners-up in any of the numerous categories of parade competition. Theme of the 1971 parade is "Desert Beautiful."

A number of other special events are planned for each evening that the fair is in progress, beginning with the Little Miss Desert Empire Fair Pageant which is scheduled between 6:30 and 7:30 p.m. on Sept. 29.

As a prelude to this activity, a Pepsi party open to all entrants in the junior queen pageant will be held at 6:30 p.m. on Monday, Sept. 27, at the Knights of Columbus Hall, 700 W. Ridgecrest Blvd.

During the coming week, those planning to submit entries in the handcraft, domestic and fine arts competition at the Desert Empire Fair must turn them in at the meeting hall in the equestrian area on the east side of the fairgrounds.

All entries, except food items, will be accepted on Wednesday, Sept. 22, between 6 and 10 p.m. (Continued on Page 7)



AIR MEDAL PRESENTED—Lt. John O. Macidull (at right), assistant aircraft maintenance officer at the Naval Air Facility, was the recent recipient of an Air Medal with Bronze Star for his part in the successful rescue of a downed aviator who had bailed out at night over the Tonkin Gulf off South Vietnam. At that time (last February), Lt. Macidull was the pilot of a Sea King helicopter and was serving with Helicopter Squadron 1, home-based at Imperial Beach. The Air Medal was presented to Lt. Macidull by Capt. R. E. McCall, commanding officer of the Naval Air Facility. Lt. Macidull reported here for duty in mid-July.

Max Smith, Curt Overstreet Lead Semi-Finalists

Defending club champion Max Smith and Dewing Classic winner Curt Overstreet both won twice last weekend to lead the field into the semi-finals of the China Lake Golf Club championship.



SHOWS CHAMPIONSHIP FORM—Ed Donohue, who will go against Wayne Jackson in the First Flight semi-finals tomorrow, hits the ball during last weekend's action.

Both Smith and Overstreet drew byes in the first round of the championship flight and both parlayed superb starts into victories Sunday in the second round. Each eagled the par 5 first hole to take quick leads over their opponents, but while Overstreet went on to coast to a 6-and-5 win over Greg Nazoroff, Smith had to hustle to defeat tenacious Dick Bauers 1-up.

Clark moved into the semi-finals with a 2-and-1 victory over Joe Jones Sunday, after he had advanced to the second round when Herb Pangle forfeited. Clark parred the third hole to take a lead Jones never managed to close.

Class for Basketball Players Scheduled by Desert Campus

The Desert Campus of Bakerfield College, prompted by the fine showing of last year's informal basketball squad, will offer an organized PE class, PE 4TS: Team sports for men, basketball, for those who want to prepare for competitive basketball under the direction of an accredited instructor.

Persons desiring to register for the course may do so at the second meeting on Sept. 23, or at the Desert Campus College office. Coach Dominguez presently hopes for a class of a dozen or so basketball enthusiasts able to devote Thursday evenings to the study and execution of basketball, in anticipation of competing in the NWC winter basketball league.

NWC rocketeer SPORTS

BHS Varsity Preps For Football Season

Burroughs High School varsity football players, 50 strong, will be banging heads during practice for the next week in preparation for the 1971 season opener here on Saturday night, Sept. 25.

The Burros, under the direction of Bruce Bernhardt, head coach, will kick-off the season against the gridders from Santa Clara High, a Catholic school in Oxnard. Fifteen returning lettermen form the nucleus of the Burros varsity grid squad, which has more overall size than any other group he has directed in the past five years he has been coaching at Burroughs High, Bernhardt said.

Eight of the lettermen who are back for another crack at the gridiron sport are candidates for backfield positions which means, Coach Bernhardt noted, that he and his assistant coaches will have to rely on a number of last year's sophomore gridders to bolster the line.

Verl Lillywhite and Rick Pitts, the two line coaches, have seven veteran linemen among the candidates they are working with. The returnees are Steve Robinson, Mark Panasci, Mike Vernon-Cole, Jeff Bittel, John Stoessel, Rick McCrumb and Wayne Read.

There are three candidates for the key quarterback spot on the Burros offensive eleven. Coach Bernhardt, who is aided by George Ridgley in handling the backfield hopefuls and defensive secondary men, listed them as Mike Lillywhite and Ed Paine, both returning lettermen, and Mike Bachman, who is up from last year's sophomore team.

Pancake Breakfast Set By Burros Booster Club

A traditional prelude to the football season at Burroughs High, the annual pancake breakfast sponsored by the Burros Booster Club, will be held Saturday from 6 a.m. to noon at the local high school multi-use room.

Ample servings of pancakes and sausage will be dished up by Booster Club members and high school coaching staff. The breakfast menu also will include orange juice, coffee or milk.

Women Bowlers In Top Form As League Opens

The Monday night Women's Scratch League opened with a bang last week with seven keglers in the 500 figures and four 200 games rolled. Pat Maddux had a 217 with a 523 series, Doris Boyack pounded out 208 and 552, Mike Breitengross had 206 and 540 and Linda Jeffris shot a 203.

Dance Slated At EM Club Friday

Bob Furey, manager of the EM Club (Jolly Roger), has once again booked "The Glass Flame," to play for a dance Friday, Sept. 17, at the Club, from 9:30 p.m. until 1:30 a.m.

Furey also announced that Monday, Sept. 20, will be "bosses night" at the Club. All members and their guests are invited to both functions.

Two AFS Students Now Enrolled at Burroughs

The Indian Wells Valley will be home for two foreign exchange students, one from Turkey and the other from Belgium, for the next nine months. The youths, Patrick Melen, 18, from Liege, Belgium, and Melsa Ararat, 16, a native of Bursa, Turkey, will attend Burroughs High School under the exchange program sponsored by the American Field Service.

The China Lake - Ridgecrest chapter of AFS was founded in 1956 and has been active for the past 15 years. This year, for the first time, there are two students. In addition, 10 local youngsters have been sent overseas in the Americans Abroad Program wherein a student from

here spends a summer in another country.

This program is supported by donations from community organizations, interested citizens, and from students in local schools.

Officers of the chapter for 1971-72 are Mr. and Mrs. A. L. Robertson, co-presidents; Mrs. Fred Davis, vice-president; Dr. William McBride, treasurer, and Mrs. Carl McCammon, secretary.

Avid Reader

Patrick is an avid reader and a sports fan. He first learned of the AFS program through a friend in Belgium who had participated. Born in Racourt, Belgium, his family makes its home in Liege. His father, William Melen, is a teacher in secondary school and his mother is a part-time insurance broker. Patrick has two brothers and a sister.

One of the things which impressed him most about this country is the sunshine, not too abundant in Belgium. Later in the school year he intends to take part in tennis and basketball.

"School here is quite different from home," he said. "I like the fact that students here have a freer choice of subjects to take. In my country we attend school until 4:30 or 5 p.m.," he pointed out.

Patrick is living with the Herb Langner family, 654 Trisha Court, in Ridgecrest. Langner is employed by the Stauffer Chemical Co. as manager of the plant at Westend.

Interested in Politics

Melsa, the oldest of three girls, is very interested in politics. She also enjoys music, painting and reading as favorite pastimes. An active girl, she plays classic and jazz guitar, and in her native Turkey participated in Girl Scouts and volleyball.

Melsa's father is a physician and her mother is a government official. Melsa had to take two different examinations: one on English and one on American culture, and pass interviews from former AFS exchange students before she was selected to come to this country.

"I find it unusual that everyone here uses automobiles to go places. I miss the crowds of people on the streets in my country," she elaborated, "and the friendliness this engendered. However, I'm sure I will enjoy it here," the young girl said.

While in this country Melsa's American "family" will be the Carl Morley family, 745 Kevin Court, in Ridgecrest. Morley is employed in Code 3534 on the Center.

MELSA ARARAT, left, and Patrick Melen, below, will make the Indian Wells Valley their home for the next nine months. They are the AFS foreign exchange students for the 1971-72 school year.



Tech Writers Organization Is Renamed

Many a new leaf is being turned as the local society for technical communicators begins a new year. The society has a new name, new officers, new program, and numerous new members.

Long known as the Society for Technical Writers and Publishers, it recently was renamed the Society for Technical Communication (STC). The change of name reflects the society's concern and involvement with all aspects of technical communication. The new name helps emphasize the broad range of disciplines of its membership, which includes editors, illustrators, film makers, publishers, audio-visual specialists, writers, and other technical communicators.

On the local scene, the Sierra-Panamint Chapter turned a new leaf with the election of the following officers for the year. A. B. Christman, chairman; Barbara Auld, vice-chairman; Florence Dinsmore, secretary, and Edith Huse, treasurer.

The first meeting will feature reports from members who attended the 18th International Conference of STC at San Francisco in June. The panel discussion will be led by Alberta Cox and will cover reports of the conference from the viewpoints of writers, editors, illustrators, presentations specialists, and managers. An informal dessert-and-coffee meeting, it will start at 7 p.m. on Sept. 23 at the Christman home, 301 Far Vista, south of Ridgecrest.

Future programs arranged for by Barbara Auld, program chairman, include two separate talks by government leaders in technical information work, and one by a representative of a major printing organization, a tour of NWC facilities, and programs by local speakers on a full spectrum of information topics.



Fellowships Awarded Nine...

(Continued from Page 1) Carol, have no children.

NWC Fellowships

James R. Belisle—Bachelor Belisle holds a BSEE Degree from UC Berkeley, awarded in 1960. He will seek a Master of Engineering Administration from the University of Utah. Belisle is employed by Code 5562, Air and Surface Launched Weapon Branch.

Edward J. Bevan—Bevan, a Code 4055 (Weapons Analysis Branch) employee, seeks an MA in applied mathematics from the University of Oregon. He has a BS in mathematics awarded in 1966 by UCLA. He and wife, Sue have no children.

Gary E. Castor—A Master of engineering administration from the University of Utah is the goal of Castor, who currently holds a BSME from Arizona State University. The Code 5563 employee and wife, Mary Ann, have no children.

David H. Hall—Employed by Code 5014, Systems Definition Branch, Hall seeks an MA in mathematics from California State College, Long Beach. He holds a BS in mathematics (1968) from that school. He and wife, Therese, have a daughter, Julie and a son, Jason.

Tetsuo (Ted) Miyatake—Miyatake is employed by the Fuze Project Branch, Code 5035, and seeks an MSEE from UC Irvine. He presently holds a BSEE from

the University of Utah, awarded in 1960. Miyatake and his wife, Helen, have two children, Ann Michelle and Douglas.

Lowell H. Wilkins—Wilkins seeks a PhD in Physics from the University of Texas. He received his MS in Physics in 1966 from the University of Idaho and a BS in Physics in 1961 from Brigham Young University. Wilkins, an employee of the Optical Design Branch (Code 4056) and his wife, Lloyd, have six children: Anne, Teresa, Rachel, David, Kevin and

Assessment Due Following Death Of Cox Waived

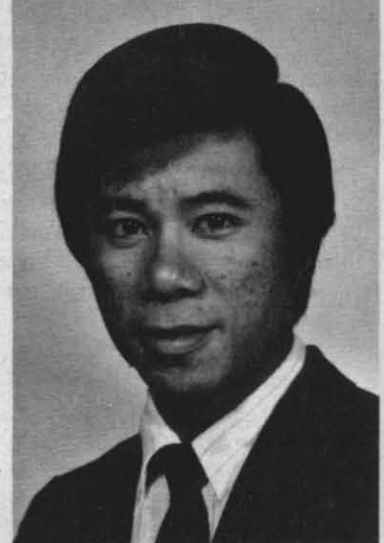
Assessments normally due from members of the Government Employees Benefit Association and China Lake Mutual Aid Society were waived this week following the death on Tuesday of Billy W. Cox.

Cox, who was 48 years old, died at his home. He had been employed in the Facilities Branch of the Propulsion Development Department's Engineering Division.

Membership in GEBA and CLMAS is open to all NWC employees. Persons interested in joining can obtain information by contacting Larry Mason, secretary, at 375-2846 after working hours.



PHILLIP D. HARRY, an electronic engineer in the Guidance Evaluation Branch of the NWC Engineering Department, was the recent recipient of a Master's Degree in electrical engineering, with emphasis in computer science, from the University of Southern California. Harry came to China Lake in June, 1967, after being graduated with a BS Degree in electrical engineering from Oregon State University. He was assigned to the Engineering Department after completing the junior professional tour, and entered the USC program in February, 1969.



A MASTER'S DEGREE in electrical engineering with emphasis on communications was received from USC during the summer by Robert G. Arnaldo, an electronic engineer in the Airborne Instrumentation Branch of the Electronic Systems Department. Arnaldo, who was graduated with a Bachelor's Degree in engineering from UCLA in 1966, came to China Lake in May, 1967, and moved to his present assignment after completing a junior professional tour.

AAUW Slates Annual Fall Potluck Lunch

The American Association of University Women (AAUW) will hold its annual fall membership potluck luncheon in the yard of the H. G. Wilson home, 701 Essex Circle, at 11:30 a.m. Saturday.

Women graduates of approved four year colleges and universities are invited to attend. The outline of the program and projects for the year will be presented.

Interested persons may contact Mrs. Kenneth Wetzel, 446-7225, or Mrs. Paul Amundson, 446-3358, for additional information. New employees, teachers, wives of military and civilian employees are encouraged to join the China Lake branch of AAUW.

Changes Made In Auto Hobby Shop Operating Hours

A change in hours of operation at the Auto Hobby Shop was announced this week.

The Auto Hobby Shop is now open an hour earlier (at noon instead of 1 p.m.) on Wednesdays and Fridays, and is closed all day on Thursday.

The new schedule is as follows: Monday and Tuesday, 1 to 9 p.m.; Wednesday and Friday, noon to 9 p.m.; Saturday, 9 a.m. to 5 p.m.; Sunday and holidays, noon to 5 p.m.



ADAN PAUL HAMILTON, A02 Robert Gaines and AN Jim Watkins (left photo, l-r) brought home trophies from the annual Truck Road-E-O held recently at MCSC, Barstow. In the photo at right, Jerry Pryor, Doug Yeager and B. J. Martin (l-r) pose after competing in the professional driver's division. Martin and Pryor each won trophies.



Co-op Work Study Program Students Gain Valuable Experience



JOHN HESTER, of Code 5534, is one of the first two students from Tennessee State University. Hester feels that his job experience has been invaluable and has enabled him to put into practical use many of the methods he has been studying at school where he majors in Electronic Engineering. In this photo he uses a frequency oscillator to check out circuits.

The Naval Weapons Center is very active in the area of co-operative work study programs. A co-operative work study program provides college level students with the opportunity to alternate periods of academic study with periods of study-related or career-oriented employment.

Currently the Center has co-operative work study agreements with six colleges and universities. They are the University of California at Berkeley, California State College at Long Beach, University of Oklahoma, New Mexico State University, Tennessee A & I State University and the University of Washington.

The agreements with these colleges and universities are primarily for students in the engineering fields (electrical, mechanical and aerospace) with the exception of California State

College, Long Beach, which is for the administrative field.

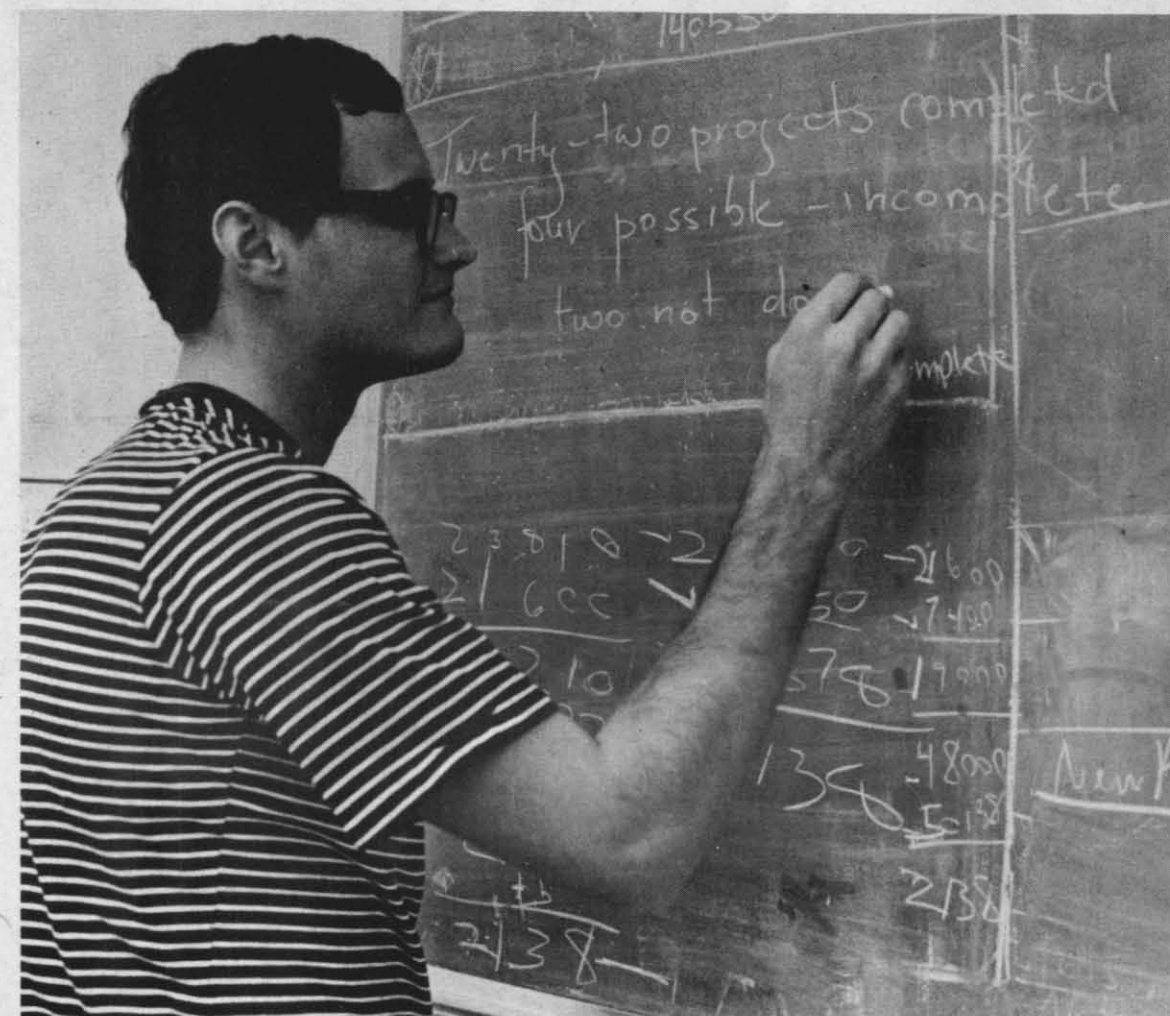
The Center's Co-op program is considered to have been very successful because approximately 50 per cent of the co-op students who have received assignments at the Naval Weapons Center have accepted permanent employment here.

The Co-op program provides the student with an opportunity to experience the atmosphere of practical work. He has a chance to apply what has been learned in the classroom to true work situations. With this opportunity, a student can find many areas in his academic discipline which are unfamiliar to him and provide him with a natural and practical interest that will be beneficial to his academic learning experience.

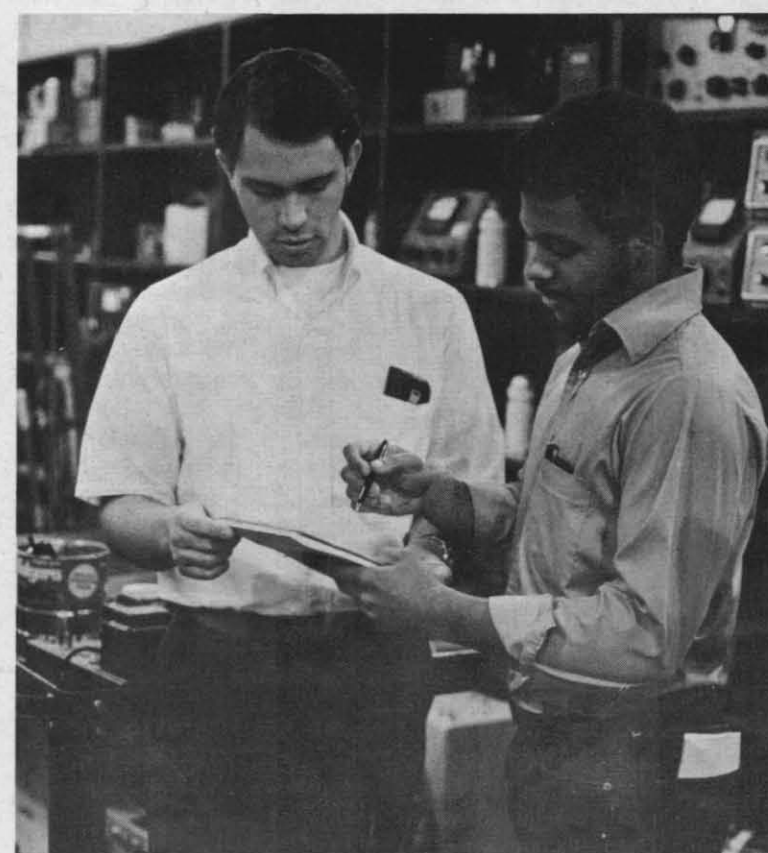
The Co-op program provides the Center with a source of college

graduates for entry level positions in professional, administrative and technical fields who have had previous experience with the federal government, and who have had an opportunity to relate their job experience to current classroom teachings and to their career at an early date. The program also serves as an input for agency personnel pertaining to new theories, concepts, and methods relating to their fields of work.

Some of NWC's current co-op students are shown in the accompanying photographs. Due to job relocation and a pressing shortage of time it was not possible to get photographs of Albert Wong and Alan Woodson, both of Code 30. Wong and Woodson are both electrical engineering students from the University of California at Berkeley.



ABOVE — James Evans works on some technical budget estimates for Code 40502. Jim is one of the first two administrative Co-ops here at the Center from Cal State, Long Beach. His work at the Center has allowed him to become familiar with some of the technical problems of his Code in addition to working in the administrative area. RIGHT — Gayle Morton, Code 656, discusses a problem with one of the Co-op students. Gayle is a Master's candidate in Public Administration and is also from Cal State. He learned that personnel work is a field where one must be able to apply classroom theory in a "real" context and adapt it to fit changing situations.



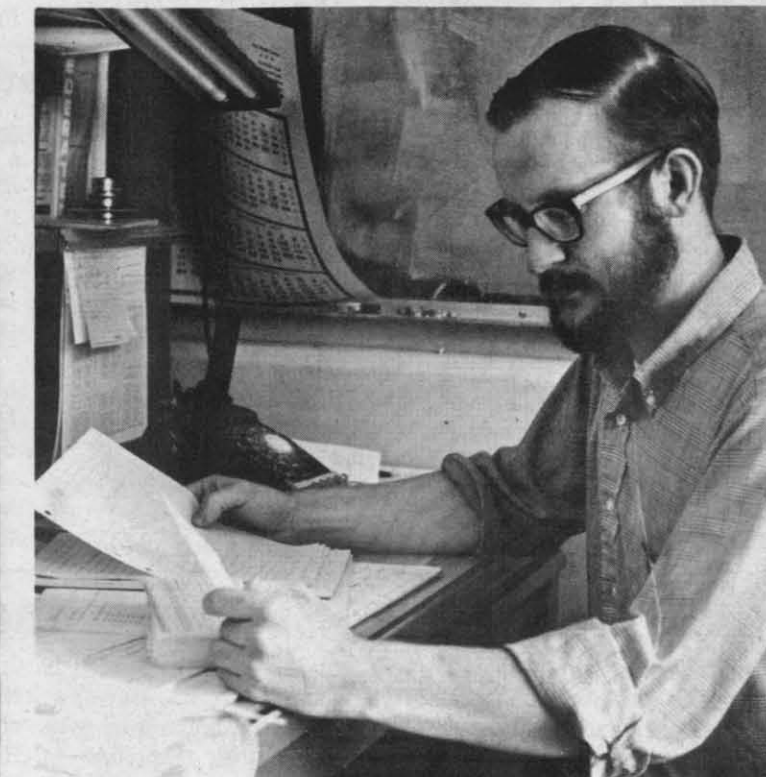
ENGINEERING PHYSICS major George Tremper, of Code 5525, hails from the University of California, Berkeley. Here he does some photorealist processing in conjunction with hybrid circuit work for microwave circuits. Tremper feels that the practical work experience he is receiving is broadening his educational background.



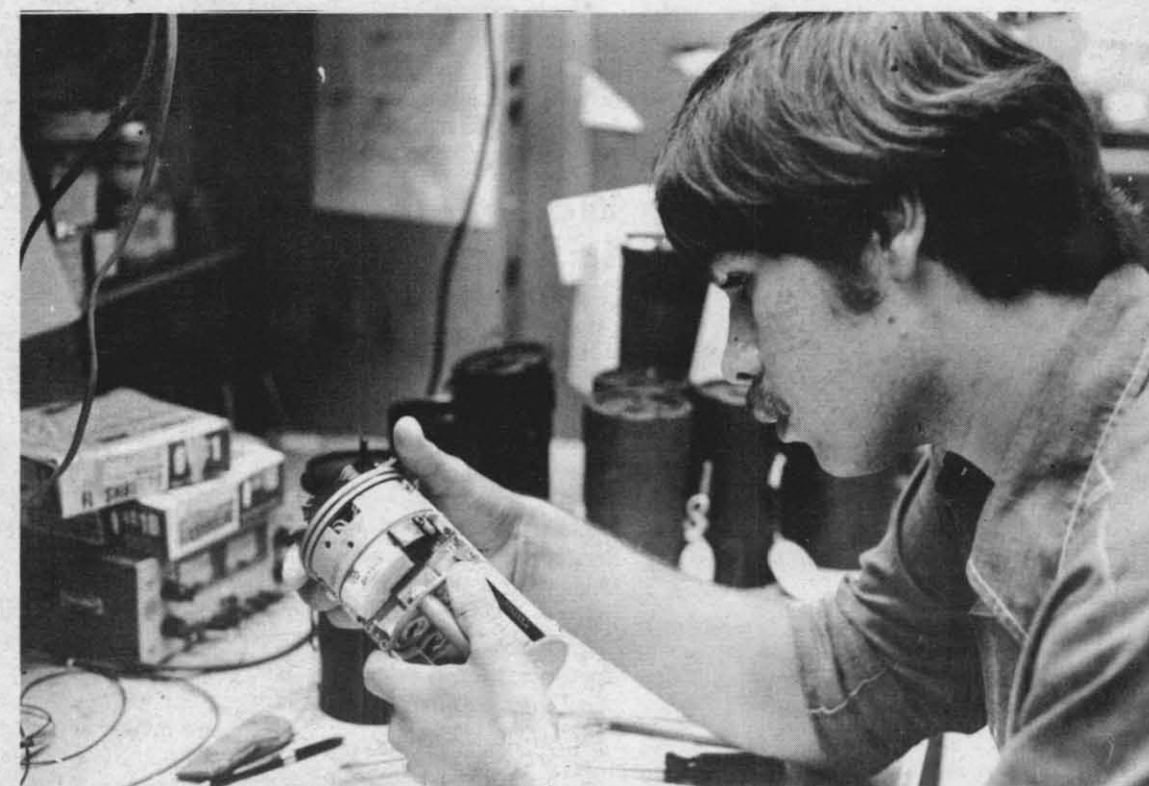
JIM BARDWELL works on testing and building circuits for the Sidewinder. He is an Electrical Engineering student at New Mexico State University, and works in Code 5522.



DONALD WRIGHT is the other of the two students from Tennessee State University. An Electrical Engineering major, he is assigned to Code 5734. Here he works on a transceiver, and points to such effort as helping him gain practical knowledge in his chosen field.



UNIVERSITY OF WASHINGTON Electrical Engineering student David Bigelow, of Code 5532, checks a program for missile amplifier gain distribution for Sidewinder. David has welcomed the opportunity to use the computer in his work and broaden his knowledge of that equipment.



GARY BRANSON works on remote radio control devices as an employee of Code 3561. Gary is a Mechanical Engineering major at New Mexico State University. His work in Electrical Engineering while at NWC has been very beneficial to his education plans.

PHOTOS BY PHAN D. W. YEATTS