Page Four

THE ROCKETEER

Friday, December 8, 1961 **Choir Will Sing Christmas Program**

Employees Earn \$11,280 Locally In Awards During A Four-Month Period

The Station's Incentive Awards Report encompassing the months of July through September, 1961, indicates a total of \$1,230 paid to local employees for twenty-five approved beneficial suggestions. The monetary savings realized by Uncle Sam during their first year in use is estimated to be \$30,842.64.

Dorothy A. Ferguson of the Process Dev. Div., Propulsion Development Department, accepted the sin gle largest award (\$185) during this quarter for a streamlined method of processing and filing procurement requests. This new system has proved to be a material and time saver, plus obvious intangible benefits enjoyed by those utilizing the new concept

Recovery Means

Luther F. Zills and George W. McCullough, Jr., employed by Test +++++++ Department at Pasadena, shared a floor.

The standard method of recovery required that divers locate the missile and attach a lifting cable. This was not only a hazardous job, but awards program. new technique incorporates the use development of a camera capsule within the District in personnel ad- garet Tobias, guest harpist and high school senior from Burbank, also of a 3-inch nylon line tied to the housing two 70 mm. sequence cam- ministration during the previous will be featured with the 30-voice choir presentation in the All Faith missile's nose ring with the other eras and one 16 mm. camera. It is year and ranked in the top fifteen Chapel Christmas program. end secured to the ship's bow, al- adaptable to many test situations percent in the National Trophies lowing immediate recovery follow- requiring accurate test data on air Competition. ing launching. This method cannot drops of torpedoes, rocket firings, be employed with a fully instrumented missile

Other awardees at China Lake and Pasadena are noted herewith by departments:

Naval Air Facility

Jack. H. Kirkpatrick and James T. Freund, \$125-joint; Neal L. Wilson, \$65; Eileen T. Ray, \$15; and George F. Barker, \$65

Test Dept.

formance:

-\$150 each.

Harris-\$200 each.

Nencka-\$100 each.

ma C. Jones-\$100 each.

\$100.

rine C. Siopes-\$100.

Hubert F. Doyle, \$25; Jack E. and Keith C. Maxwell, \$50. Engineering Dept.

Frank A. Jandle, Reidar Eriksen, Maurice J. Curtis, Jr., Samuel D. Let your mind buzz from one idea Welch-\$15 each; and Pat Colerick, source to another; other people's \$25. 1

Naval Air Facility

Aviation Ordnance

Weapons Development

Propulsion Development

Flo Lindamood, B L Clark P.

Supply Department

Medical Department

Personnel Department

were presented to the following:

Supply Department

Propulsion Development

Joseph E. Doucette-\$200.

Florence Joles, Donald R. Hart-

thank employees for their special efforts.

Personnel Dept. Charles Shields, \$15. O-in-C, Pasadena Israel L. Ashkenas, \$15.

Public Works, Pasadena Harry C. McLaren, \$10; and Ar thur G. Southstone, \$15. **Underwater** Ordnance

William F. Peete, Jr., \$15; Mabel C. Mann, \$25; and John W. Coyne,

Propulsion Development Dept. Ezra Scott. \$115. The Navy's Office of Industrial \$300 award for a means of dummy Relations has announced that a missile recovery from the ocean beneficial suggestion submitted by Arthur E. Block was selected by the Civil Service Commission for the Government-wide incentive tion during a critique held with the Britten's "A Ceremony of Carols" next Sunday at 8 p.m. will feature possible use in its publication on

> bomb drops, tow targets, and photographing submarine periscopes.

In reviewing a publication citing "springboards" to new ideas, the ollowing approaches could be most beneficial in formulating solutions to existing problem areas:

cess or method can be improved.

Ideas for better performance arise may obtain further information Day, \$25; Ethyl F. Wiebke, \$40; when you attempt an alternate op- from Chief H. P. Lindberg, Exts.

> • Develop a honeybee mind. Don't be afraid to associate ideas freely. views can give you a fresh slant on your own problems.

Others Cited For Top Performance

The following awards were auth- | Thorn and Alma Koch-\$300 joint

Local Seabee Unit Earns 'E' Pennant Two 11ND reserve officers, Capt.

R. J. Cross, CEC, Deputy District Civil Engineer, and Cdr. T. B. Stone, CEC, District Program Officer, conducted an inspection of the China Lake Naval Reserve Sea-Bee Division 11-2 last Saturday Other areas under review included office administration, unit organ ization, personnel training, leader ship, and recruiting.

The Division was commended on the results of this year's inspecdivision officers. China Lake boasts a duet by (l-r) Lorna Charlton and Betty Heflin titled "Spring Carol," Block received a \$375 award for the top SeaBee division of the 21 and a solo "That Younge Childe" by Dorothy Viellenave. Mary Mar-

A highlight of the inspection was the presentation of an "E" Pen- R & D Lecture Ends He Was On Midway eriscopes. ******** their 1955 activation. This award Supervisory Series represents outstanding efficiency in all phases of office administration. personnel and training. **Drill Meeting**

The next drill meetings for NR-CB Division 11-2 will be held Sat- Code 16, to the Management E sume that any given product, pro- urday and Sunday, January 13 and Class in Project Management next 14 at the SeaBee training center. • Learn to spot your mistakes. 50 King Street. Interested persons 72610 or 75732

ACE Announces

Program for Year The Cactus Branch of the Asso-

iation for Childhood Education has esting slides will portray the proannounced the completion of their gramming and budgeting cycle. year's program with meetings for The Supervisory Development December 12 on "Creative Writing"; Program courses were planned and Forty-two Sustained Superior Performance awards and December 12 on "Creative writing, coordinated by the Management January 15 with Dr. Lucile Lind- coordinated by the Management twenty-nine Superior Achievement awards netted ninety- berg; February 13 on "Grouping"; Analysis Division of Central Staff, two NOTS employees a total of \$10,050 for the third March 10-11 the Study Conference with F. S. Dodson acting as Class quarter of this year. Nearly all Station departments were re- at San Ma Teaching." at San Mateo, and May 8 on "Team Assistant.

presented in utilizing the Incentives Awards Program to Dr. Erwin Sasman will speak on sions, lectures, experiments, and Creative Writing" at the Decem- group buzz sessions. The philosober meeting to be held in the Trona phy of project management was School Cafeteria. Members from discussed, covering such topics as: Randsburg, Trona, Inyokern, Ridge- What is a project manager? What crest and China Lake are asked to does he do? How does he do it? eserve the December 12 date. Project communications, planning

A professor of education at Fres- and evaluation techniques and cono State College, Dr. Sasman has tractor relationships were also dis- some 1312 miles west and slightly had 30 years experience in the cussed. teaching field. During the summer of 1961, he participated in the Kern were given on the following sub- idly is L. R. (Larry) Mason, an in-County Reading Workshop which jects: Technical Documentation, spector with the Inspection Branch, drew over 300 teachers in the coun- M. S. Clifton; Simulation Testing Traffic Division, Supply Departty. Many A.C.E. members attended and Quality Control, M. J. Curtis; ment. He was there with 1700 civilthe two-week workshop in which Introducing a Weapon into the ian workers and a handful of Macurrent programs of reading in Fleet, H. T. Lotee; The PERT Con- rines when a Japanese cruiser and county schools were presented.

on display.

For Burial Benefits

 Oldfield—\$150 each; D. H. Striet-zel—\$250; L. L. Cross—\$100.
 Crawford, Emphraim Regelson. Weapons Development—Jack A. Myers and Langthorne Sykes, Du-ane J. Russell, Harold Nuffer and R. G. McCarty.
 bers of the National Guard or Re-serve Forces whose death occurs on active duty, are eligible for bur-ial in a national cemetery. Benefits may also include headstone, flag, and burial allowance, according to the veteran's eligibility.
 Weapons Development Department. A discussion of the Sidewinder program was conducted by C. L. Neal, Head, Electronic Design Branch, Weapons Development De-partment.
 a pier to wire home-made bombs to the piling, he recalls. "On April 21, 1942, I and my brother boarded the last evacuation ship with \$1 other employees, for Honolulu and safety, saying good-two to Midway — and the gooney

Bruno and San Diego.

north of Honolulu Lectures by Station personnel

cept and Its Application to Shrike, destroyer shelled the Island the In addition to Dr. Sasman's pre- a weapon system currently under evening of December 7. sentation, samples of creative writ- development in Code 40, Rod Knut- "We didn't believe it when we

(Continued from Page 1)

Department.

in Conference Room B. Michelson

Because of the widespread inter-

est in the subject, "The Navy's R

and D Program," the session will

be open to all interested personnel,

organization as a whole, how it dif-

fers from other services, and how

the budget process works. Inter-

The program consisted of discus-

The topic will depict the Navy's

Lab.

ministration home or hospital, Associate Head, Weapons Develop- birds." funeral expenses not exceeding ment Department, to a film, previ-\$250 will be paid, plus transporta-tio of the body to the place of bur-which recapped the highlights of hold the designation of ordnance

Burial in a national cemetery devoted to the discussion of Naval Minn., the home of WEPTU-811. may also be available to an eligible Reserve matters by Capt. F. L. Mor- He is Associate Director of Reveteran's spouse, minor children, gan, Cdr. Paul E. Wanos and LCdr. search for Remington Rand Univac. and under certain conditions to un- William P. Choltco, which con- NOTS is not new to him as he The month of October, 1944, saw married adult children, if space is cluded the Eighth Annual Weapons visited the area many times during

Distinguished Visitor

Geo. N. Haddad-\$250 joint award. anese lost four carriers, one bat- spective cemetery. California ceme- ance was Rear Admiral Victor A. B. (Bard) Monson, augmented tleship, eight cruisers and eight de- teries are at San Francisco, San Hicks, who has the unique distinc- the attendance at the seminar for tion of being the only Naval officer a total attendance of 133.

December 7, 1941 Most recall the flaming havoc of Pearl Harbor on this 20th annivers-The last technical lecture of the

SOLOISTS-The Community Chapel Choir's presentation of Benjamin

current Supervisory Development ary of that fatal date but too few Program will be given by Captain remember the attack on the small C. O. Holmquist, Technical Officer, island of Midway on the same day



Larry Mason ... as he appeared on Midway

One who remembers it viv-

heard that the Japs had attacked Pearl Harbor the morning of the seventh, but we were convinced when they hit us at nightfall," he

"After the attack I could have gone out on the first evacuation ship, but a call went out for volun-Veterans whose last period of was presented by R. G. S. Sewell, help, I and my brother stayed. I Flo Lindamood, B. L. Clark, F. Buskirk. E. Sorensen, W. L. Burson, G. L. Aviation Ordnance – Jack A. service was honorable, and mem-Head, Warhead Research Branch, spent Christmas day diving under A viation Ordnance – Jack A. Service was indicated or Re-Crawford, Emphraim Regelson. bers of the National Guard or Re-Weapons Development Department. a pier to wire home-made bombs to

If death occurs in a Veterans Ad- An introduction by H. L. Metcalf, bye to Midway — and the gooney

World War II.

Fifteen members of the local A. Young, Jerry W. Nimmo and the Battle for Leyte Gulf, the Jap- from the superintendent of the re- Among the Reservists in attend- WEPTU unit, commanded by Cdr.

L. Heflin - \$250 each; Fred W. Heihe, Neal L. Wilson, Gordon F. Berghagen, W. L. Brown, N. F. Zurn, Jr., Jack W. Leslie and Ar- Castaneda, N. F. Castleberry, M. E. thur G. Hinkley-\$150 each; Cor- Coleson, R. W. Grau, R. D. Roubi-

Joe Wojecki, Carl E. Burkey Jr. Technical Information Dept. -\$250 each; Oscar L. Davis, Fran-Rebecca Wise, Georgania Ennis, cis M. Martin, James J. Cashore- Betty Lovern and Rubye Williams \$200 each; Alfard B. Duncan, Paul -\$100 each. E. Alexander and Kelly G. Skinner

Upon recommendation from the Nadim P. Totah, Richard V. Boyd mental review boards authorize a -\$250 each; George A. Wilkins, \$50 award for each invention sel-James P. Lee, Roy G. Hunter, Ray N. Francis—\$200 each; Burnell Wil-of Naval Research. In the case of Vet Families Eligible Seminar ... a joint award.

Engineering Dept.-W. C. Verrees, Harold G. Cook. Eugene B, Osuch, Halley Wolfe,

orized for sustained superior per- award. Weapons Development Verla W. Walker-\$100; Denman R. Elliott-\$150 \$200 each; Harry L. Myers, James Engineering Department Glenn D. Hollar - \$200; L. C

liams-\$150; and Betty Sheridan- multiple inventors, it is considered

Dallett, W. C. Shaw, J. B. Eldridge

Research Dept.-Firth Pierce. Underwater Ordnance — Horace E. Karig, Frederick N. Eaton and state and the Canal Zone. (i) State and Stat E. Karig, Frederick N. Eaton and state and the Canal Zone.

Superior Achievement Awards Esther E. Nitchman-\$100; Ver- the downfall of the Japanese Navy. available. Specific information on Seminar for the Reservists. ner S. Wilson, Geo. L. Bowles, Hilda Between October 23 and 26, during such availability may be obtained Tom Garcia, Ed Fortier, Jenelyn stroyers.

deaux, I. Sklut, W. D. Syberg, and W. E. Schad-\$300 joint award. Patents

Patent Division, respective depart- ing of local school children will be sen and Larry Elder.

Test Department-Lyman F. Var

John D. Brooks, Jack H. Slaton.

and E. C. Julian. Jewel I. Gerard and Stephen Christine M. Hawkenson and Al-



an informal ceremony this week marking the official presentation to Station employees of con-Smith, Harold G. Cook, Lewis A. Stevens, William and one Notice of Allowability were awarded.

NOTS INVENTORS - Capt. Charles Blenman held G. Finnegan, William S. Roney, Dr. William B. Mc- in lieu of a patent when the in- target for the fleet, as a high-speed Lean, Paul G. Rivette, Newton E. Ward, Rodney G. vention bears a security classifica- gunnery aircraft target, and a min-Weldon and Earl Yim, Jr. Recipients not present tion and is not available for open liature version is now used in wind cluded patent prosecution on twelve inventions. Re- were: William A. Gey, John M. Holden, Harold D. publication. Presentations were cipients are identified (l-r): Louis Alpert, Rex. L. Nuffer and William H. Woodworth. Eleven patents noted as follows:



BUDD GOTT, EDITOR OFFICE, HOUSING BLDG., TOP DECK PHONES 71354, 72082, 71655 Vol. XVII, No. 48 NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA Fri., Dec. 8, 1961 field in electrical switches for use Patent No. 2,963,740. This mandred

118 Reservists Attend Weapons Seminar Here

One-hundred and eighteen Reserve officers of the Bu-Weps Reserve Officer Program from the northern, southern, eastern, and western areas of the nation converged on awarded nearly \$200,000 in Blanket Preparing Substituted Tetrazoles, which has steady burning charac-China Lake last Thursday for the Eighth Annual National Purchase Orders by the Associate Patent No. 2,977,372. (co-inventor Weapons Seminar. Three Navy presentations by Station scientists R5Ds flew the Reservists here for and engineers.

the three-day meet. Branch, Bureau of Naval Weapons, partment. for the past two years.

"The value in these seminars," he velopment Department. In these perilous times if mobiliza- search Department. tion should become necessary, our Caleb, the NOTS-developed ready to step into the breech."

Weapons Training Units through- Weapons Development Department. members to 70 members per unit. for the visitors. There are over 600 officers in the Washington, D.C. area who belong On Friday morning the Reservto WEPTU units.

Station Commander Capt. Charles tions which included: which depicts phases of the Sta- Division.

The Station's underwater ord-Heading the 118-officer group nance program was outlined for the was Capt. L. D. Morgan, USN, Head group by Cdr. L. H. Lippincott, of the Reserve Officer Training Military Assistant to the Test De-

Washington, D.C. A veteran naval Development of a new underofficer with 21 years of active duty, water vehicle was described by L he has headed the BuWeps Branch W. Seeley of the Underwater Weapons Systems Branch, Weapons De-

told this reporter, "is that they The cloud-seeding program and bring the Reservist up to date on porpoise studies were explained by the weapons which are constantly Dr. Pierre St. Amand, Head of the being added to the Navy's arsenal. Terrestrial Sciences Division, Re-

Reservists must be informed and launching vehicle for high altitude probes, was described by C. M. Dye, At the present time there are 63 Head, Advanced Systems Branch,

out the nation, Capt. Morgan stated. A no-host reception at the Offi-They range in size from about five cers Club concluded the busy day Friday's Program

ists met again at the Community Following an official welcome by Center for a series of six presenta-

Blenman Jr. Thursday morning the A discussion of propulsion develvisitors were shown the NOTS film opment programs by R .A. Blaise, "Expanding Frontiers in Ordnance" Associate Head, Missile Propulsion

tion's work at China Lake, Pasa- An outline of the free-fall prodent, and San Clemente Island. gram and its items by R. T. Car-A tour to the ranges to witness lisle, Assistant Head, Weapon's De-with the military installations. warhead tests on surplus B-29s con- velopment Department, and J. A. sumed the morning for the visitors. Crawford, Head, Missile Develop- this direction is the publication of Community Center for a series of (Continued on Page 4)

NOTS Awards County \$200,000 **Business Potential**

Within the next few weeks, Bakersfield business firms will be William G. Finnegan - Process for

has ever made in the Bakersfield area. Over the past several years hours. It is used in the Rapec 1 and fifteen Blanket Purchase Orders 3 auxiliary igniter system. have been put into effect with Bakersfield firms who have been do- positions, Patent No. 2,982,639. Net ing business with military installa- explosive compositions having de tions on a regular basis.

With Blanket Purchase Orders shock and which are not sticky. firms are in a position to bid on John M. Holden - Lock Spring orders and accept orders from a Joint, Patent No. 2.969,994 (co-i military base by telephone, cutting ventors John F. Jacobs and Arthu out practically all the "red tape" C. Ellings, have terminated). This that businessmen have objected to invention comprises a high strength in the past.

The big increase in awards of bers in axial alignment, and is these orders has come as a direct used on 2-inch T Gimlet rocket. result of the activities of the Chamgram. Before the department was 507. This is a time variable electroorganized, only the firms who could mechanical switch for producing a afford to send a representative to pulse of electrical energy sufficient the several military bases in the to activate a circuit at a desired so. Give today! Remember that area were taking advantage of the time millions of dollars spent each year for equipment and supplies.

With the Military Procurement Program, Bakersfield businessmen whose full-time job is to seek out economical means of doing business NOL, White Oak.

The department's latest move in After lunch the group met at the ment Branch A, Aviation Ordnance a Bakersfield Buyer's Guide, listing all the firms that support the program, for use by the many buyers at the military bases. With the materiel for the base.

Fifteen Inventors Cited For Contributions to Research

Eleven issued patents and one notice of allowability were reviewed and distributed by the Station Commander this week in cooperation with the office of the NOTS Patent Counsel. The Patent Division staff at China Lake and Pasadena prepares invention simple, economical construction, disclosures for search and con- this device is capable of maintainlucts the necessary prosecution to ing rigidity and efficiency while

Louis Alpert - Escapement Arming Switch, Patent No. 2,967,217. This electrical switch provides an escapement mechanism responsive to missile acceleration for arming William H. Woodworth - Sweephave been developed which are be- value where stopped. ing used in several other vehicles. n fuzes

an improved means for filtering out grains. It was originally developed undesirable combustion products for use on the 2-inch Gimlet rocket. from gas produced by a gas generthe Sidewinder program have utilized it since 1958.

Director of Supply at NOTS, Pasa- Robert H. Boschan, has terminat-This will be the biggest purchase action in a suitable solvent of an order award the Navy Department azide salt with an organic nitrile in reaction times of less than 24

> William A. Gev-Explosive Com creased sensitivity to mechani

joint for coupling two tubular mem-

Harold D. Nuffer-Variable Safe ber's Military Procurement Pro- Separation Timer, Patent No. 2,990,-

Louis LoFiego and Robert K. As- to meet the goal of \$42,000 for Inplund, are contractor personnel). It dian Wells Valley who are supporting the program provides timely ignition of solid have a personal contact at the bases rocket propellants by improved control over ignition reaction. Ex- were \$7,669.89 and pledges were perimental versions are in use at \$978. Ridgecrest cash collections

drawn through the air at high A notice of allowability is given speeds. It is currently used as a tunnel work.

> Newton E. Ward and William B. McLean - Missile, Patent No. 2.966.316. A missile capable of seeking out and being guided to targets concealed by darkness

the missile a substantially constant Memory Voltage Generator, Patent distance from its launching site No. 2,979,614. This invention is a irrespective of variations in missile linear time-variant voltage sweep acceleration. It is used basically generator which can be stopped with the Mk 176 fuze and adaptions from sweeping and remember the

Earl Yim, Jr. - Mandrel for Ex-This invention has opened a new trusion Coating Propellant Grains, will produce a concentric plastic Harold G. Cook - Piston with coating of substantially constant Filter, Patent No. 2,973,833. This is diameter over tapered propellant

Paul G. Rivette and Rodney G. ator. Approximately 52,000 are used Weldon - Infra-red Tracking annually, and engineers working on Flare, Notice of Allowability dated. March 23, 1961. (co-inventor George T. Hahn, has terminated). The interistics and produces radiation of dena, Cdr. T. A. Cassin, according ed). This process is an improved ently being supplied to the Air to a release from the Bakersfield and simplified method for making Force for use as missile targets and 5-substituted tetrazoles by the re- is also used as targets for Side-

Ends Today IWV United Fund Drive Short of Goal

Today marks the end of the cur rent 1962 United Fund Campaign. The date was moved up last Tuesday, December 5, the original closing date, because numerous segments on the Station had not yet reported their collections to the China Lake chairman. Captain R. W. Calland.

If you have not given your "fair share" yet, it's not too late to do by helping your community, you Rex. L. Smith - Hi-Lo Igniter, are helping yourself and your fam-Patent No. 2.972.305. (co-inventors ily. A final "big push" is needed

As of Monday night, total contributions in cash for China Lake totaled \$692.45 and pledges \$60. Both Lewis A. Stevens and William S. areas totaled to \$9400.34. Final re-Koney - Radar Reflecting Tow sults of this year's campaign will eteer.

"And Give Enthusiastically, If You Can"



WRAPS UP UF CAMPAIGN-Captain R. W. Calland, China Lake Area Chairman of the United Fund Campaign, reflects his own enthusiasm inspect a Sidewinder launcher rack during the three-day Eighth An- the NOTS switchboard or dial 511, as he donates more than one day's pay to unit campaigner Dick Rusciolelli at the close of the drive this week. Campaign ends today.



INSPECT LAUNCHER - LCdr. A. B. (Bard) Monson, commander of numbers. the local WEPTU-780 unit; Capt. L. D. Morgan, BuWeps; LCdr. Catherine F. Edgerton, WEPTU-778, Los Alamitos; and RAdm. Victor Hicks, It is not necessary to go through nual National Weapons Seminar held here in the Community Center. Biggs reported.

Guide the buyers will have immediate access to the information they need when they are trying to locate **Telephone Service**

Being Provided At Capehart Homes

Approximately 40 telephones have been installed in residences in the Capehart housing area, according to Bill Biggs, local district manager of the California Interstate Telephone Company.

He calls attention to the fact that the Capehart residences in the Burroughs High School area will be part of the Ridgecrest phone service and all have Ridgecrest numbers.

To call these numbers from China Lake, it is necessary to first dial 718 and wait for the dial tone before lialing the new Capehart phon

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THE ROCKETEER

Promotional Opportunities SHOWBOAT What's Doing

Present Station employees are encouraged to apply for the positions listed below.

Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Dixie Shanahan, Room 26, Personnel Building, Phone: 7-2723. Clerk, DMT, or Clerk-Typist, GS-4, PD No.

and correspondence required in the prosecu- November and was summarized for tion of the projects assigned to the Division. release this week. Types letters, memo's, reports, etc.

Drafting on a variety of range facilities, in cluding buildings, launchers, roads, utilities test stands, etc. Qualifications of applicant will determine level of position.

Phone: 7-2032.

Engineer or Scientist, GS-14, Code P-309-Heads Division responsible for: operation of San Clemente Island ranges on test programs assigned to the Test Department; test planning and project engineering; developme of instrumentation for underwater testing.

File applications for above position with Dave Samons, Room 32, Personnel Building, Phone 7-1514.

Secretary (Typing), GS-4, PD No. 055029, Code 5551-Branch secretary, Reviews incom-Ing correspondence, log official correspon ence, compose and prepare technical corre- ing for their splendid cooperation

Chaplain's Corner

By Chaplain R. F. Wicker, Jr.

What is being read in your home? these two questions will determine the future of your family.

of a child's mind. All of us know Christmas! that a child can be a credit to mankind or a monster - the rearing making the difference. We don't hear much of the effect of bad entertainment on adult minds. However, the adverse effect is there just the same. An unhealthy environment will inevitably produce an unhealthy mind.

A negative attack will fail. You can unplug the TV and be finished with violence and killing. You can forbid all comic books, detective witnesses. stories, and related material. Do these and the magazine racks will the other driver. still be full of sadism, sex, and vio- 4. Failed to make measurements lence. The TV will continue to star and locate accident. "John Diamond, Public Killer." A 5. Failed to make a state report vacuum must be filled and your on the accident. family must read something, must 6. Failed to anticipate a lawsuit. view some program.

What can you do? You can provide good reading material and set could go wrong. an example by reading it yourself. Then came the bad news. The A. Spassky, 60, who died of a heart 1:30 p.m. and racing will follow. child enjoys Orpha Father reads Playgirl. You can limit injuries. TV such that some good programs | He had witnesses; he had report- Field Branch of the Systems Operemerge. Then, you can voice your ed to the police station with facts ations Division at NOTS Pasadena. opinion to the newsdealer, the net- in his favor; he had sketches and His wife, Evelyn, received a bene- 7 p.m. Monday in the Community works, and anyone else who might measurements that placed me in ficiary check for \$1,000. matter. Public opinion is only the the wrong even though he was Assessment No. 56 was waived tend to vote on reports that must what's being read and seen in your home. It can make a tremendous company, after hearing me say "I Members should submit \$1.10 each difference in your family.



Christian Science (Chapel Annex) Morning Service-11 a.m. Sunday School-9:30 a.m.

- Unitarian: (Parish Hall) Sunday-7:30 p.m.
- Protestant: (All Faith Chapel)
- Morning Worship-9:45 and 11 a.m. Sunday School-9:30 a.m., Groves and Richmond elementary schoels. Roman Catholic: (All Faith Chapel)
- Holy Mass-7, 8:30 a.m. and 4:45 p.m.
- 6:30 a.m. Monday through Friday, 8:30 a.m. Saturday. Confessions-8 to 8:25 a.m., 7 to 8:30 p.m.
- Saturday. Thursday before First Friday-4 to 5:30 p.m.
- NOTS Hebrew Services: (East Wing All Faith Chapel)

Every first and third Friday, 7:30 p.m. Sabbath School every Saturday morning.

File applications for above position with Wilma Smith, Room 31, Personnel Building, Phone: 7-1393. Deadline date for all applications: December 15.

fies, calibrates, and installs electronic equipment and related devices involving audio and video electronic circuits ideo electronic circuits. File applications for above position with The final report on the home in-

spection program conducted annual- SATURDAY 140168, Code 405 - Receiving, routing and otherwise processing SECRET reports, plans Week closed during the last week in

Photographer, Scientific, GS-9, PD No. 2341 home calls were made during 140169, Code 4012-Plans and executes de-tails of photo-optical instrumentation for the Warhead Supporting Research program, using microsecond range streak and framing cam-homes were inspected; 1095 were bypassed because residents were not Engineering Draftsman, GS-5-6-7, Code 3083 at home; 34 not inspected because -Performs Mechanical, Electrical and Civil of illness in the home; and 63 homes were vacant.

Fire hazards noted during this period were as follows: electrical, File applications for above positions with 277; flammable liquids, 99; premises Iris Ortego, Room 34, Personnel Buildign, with scrap lumber accumulation and trash, 42; special hazards, 25; blocked exits, 3. A total of 446 haz-

> ards were noted. Of the 288 fire hazards noted during the 1960 home inspection program, 84 of them have been corrected.

> > **Cooperation Appreciated**

Fire Chief J. A. Davis wishes to extend his appreciation and thanks to all residents in government housinspection of their homes.

en by residents to correct or elim- pected sabotage. (Adults-Young People) availability dates of features furn- ary 7 and ends midnight January inate the fire hazards observed durin the inspections thus insuring a TUES.-WED. high level of fire security for both the individuals concerned and the entire community.

Special caution should be exer-What TV programs fill your living cised as we approach the holiday What TV programs fill your living cised as we approach the holiday to Comanche territory. Leader is suspicious and fight results. Another try is successful shown throughout the District are The Desert Community Orchestra lights - make it a FIRE FREE ridin', shootin' and fightin' all the way. One hears often of the plasticity tions and frayed wiring of tree



traffic accident. Here are the things I did not

- do. They cost me real dough. 1. Failed to notify the police im-
- mediately 2. Failed to get names of possible
- 3. Failed to get information on

Annie while other driver claimed damages and

ed to pay the other driver.

Cost me dough? Certainly. Had to pay the deductible before my car was fixed, did without a car for several days, lost my reduction of insurance premium because of accident, and other incidental costs. Office on the second deck of the

lege, too, because I did not report the accident to the state. Lucky to get off with probation for one year. If there is another accident, I

will call the police at once. They are excellent, impartial witnesses. Believe me, I have learned the hard way.

One more name removed from the sucker list, I hope. (Industrial Supervisor)

The philosophy of happiness is expressed in the old Hindu proverb: "Help thy brother's boat across, and lo! thine own has reached the shore."

DEC. 8 "MADISON AVENUE" (94 Min.) Dana Andrews, Eleanor Parker 7 p.m.

(Drama in Color) Young advertising agency cutive is fired, joins a run-down agency and becomes unscrupulous. This complicat ngle-the build up boys in action.

(Adults and Young People) SHORTS: "Exquisite Visit" (7 Min.) "Restless Islands" (9 Min.)

CHILDREN'S FILM SOCIETY 10 a.m.

All cartoon parade including special Christmas feature: "JUMPING WITH TOYS" (Approximately 60 Minutes)

-MATINEE-1 p.m.

"PRIVATE EYES" (64 Min.) Bowery Boys SHORTS: "Honey Mousers" (7 Min.) "Trader Tom No. 10" (13 Min.) "THE PURPLE HILLS" (60 Min.)

Gene Nelson, Kent Taylor 7 p.m.

buried, but partner of deceased outlaw claims he earned reward. A good, compact, action

"20,000 EYES" (61 Min.)

Merry Anders, Gene Nelson (Crime Drama) This is a taut, lightning Due to recent inquiries relative to Due to recent inquiries relative to Due to recent inquiries relative to Crime Drama) This is a taut, lightning 100 G's belonging to a racketeer who disrance swindle. SUN .- MON.

"THE HONEYMOON MACHINE" (87 Min.) Steve McQueen, Brigid Bazlem Sunday-6 and 8:30 p.m.

spondence and official letters, performs mis-during the annual fire prevention about a young Navy Lt. who uses the ship's cision on the Station's film sched-schedules to insure that annual electronic brain to try and beat a casino ule. Films are booked throughout leave is not forfeited. The success of the program is while docked off Venice, Italy. Blinker lights the District film circuit based on The 1962 leave year begins Janu-SHORTS: "Down and Outing" (7 Min.)

"Lifeline to Hong Kong" (16 Min.) "THE COMANCHEROS" (107 Min.) John Wayne, Stuart Whitman

7 p.m.

(Super Western in Color) Texas Ranger personates a gun-runner and takes wagon (Adults-Young People) SHORT: "Ski New Horizons" (10 Min.)

THURS.-FRI. "THE STORY OF RUTH" (142 Min.) Elana Eden, Stuart Whitman Thursday-7 p.m. Friday-5 and 8 p.m. No Synopsis Available

> DEC. 16 "LAD, A DOG" (98 Min.) Peter Breck, Peggy McCay 6 and 8 p.m.

(Drama in Color) Concern of a wealth other for his crippled daughter makes him seem harsh. Neighbors want to give her a ollie pup and he discourages the offer until the happy ending. (Family

SHORTS: "Tom Tom Tomcat" (7 Min.) "Snow Frolics" (10 Min.)

GEBA Assessment No. 57 Is Now Due

Assessment No. 57 is now due 7. Failed my insurance company, and payable by members of the 8. Failed to think that things Government Employees Benefit As- be held next Sunday at the track sistant conductor and Mary Bischel sociation due to the death of Gleb off Snort Rd. Time trials start at is concert master. Spassky was employed in the Froehner, Ext. 71702.

blending of many voices. Know wrong; he had information that I due to the accumulation of funds go to national headquarters this

don't know" so many times, decid- to the secretary-treasurer Frank M. BRANCH, will install new officers Brady, 302-A Groves, China Lake,

Found

A child's beige car coat with brown fur collar, approximately size 12, has been left at the Pass Just about lost my driving privi- Housing Office building. Rightful owner should contact Harry Greenmun to claim coat.

Power Outage Slated Saturday at Capehart

In order to repair the 34.5 kva switches at the main substation t will be necessary to shut off electric power to site "B" Capehart housing from 8 a.m. to 1

p.m. on Saturday, December 9. This inconvenience, especially when many tenants are moving to new homes, is regretted, but any delay to these repairs would result in more serious outages at some later date.



Friday, December 8, 1961

With January 6, 1962 set

nual and Sick Leave Act of 1951,

Members of the Burroughs High

Jerry Stone, cello, and Charles

Humphreys, oboe, will play the Mo-

THE ROCKETEER

The Rocketeer receives Armed Forces Press

OFFICIAL WEEKLY PUBLICATION

of the

China Lake, California

Captain Charles Blenman Jr., USN

Station Commande

Art Illustration by Technical Information

Department Office—Housing Building 35 Telephones 71354, 71655, 72082

DEADLINES:

PASADENA

Phone Ext. 482

Photographers Printed weekly by Hubbard Printing, inc.

Ridgecrest, Calif., with appropriated funds in compliance with Navexos P-35, Rev. July 1958.

nsen, A. E. Black, D. Sanchez

U. S. NAVAL ORDNANCE TEST STATION

I go for square

But I find with re-

That the squarer

The rounder I get.

they are

gret;

News Stories

ASCE, DESERT AREA ***********************

the Mt. Whitney Cafe in Lone Pine Service material. All are official U.S. Navy

this evening at 7:30. Featured photos unless otherwise specified.

TEMPERATURES

Dec. 1 59 42

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Dec. 7..... 62 33

Max. Min.

Edito

Assoc. Editor

_Staff Writer

____Photographe

_Tues., 4:30 p.m.

__Tues., 11:30 a.m.

___Correspondent

The annual Children's Christmas Party is scheduled for is romantic partner who wants no part of 2 p.m. on Saturday, December 16 at the Station Theatre. he skulduggery. Here's the lvy League Program details will be published next week. Ann Seitz, Community Center

manager, has received discount DEC. 9 tickets to "Santa's Wonderland" now open at the Pan Pacific Auditorium in Los Angeles. This show features the greatest collection of Leave Time Is Here Christmas gifts ever assembled under one room. For the children, there are Santa's House and live as the end of the annual leave reindeer, the Magic Forest, and a year, there remains only 18 supervised kiddle play area, among other attractions. Show closes De-working days, exclusive of holidays in which Station cember 24. New Year's Eve employees may use up their

Reservations are now being taken accumulated leave. at the Community Center reception-(Western in Color) Arizona bounty hunter ist desk for the New Year's Eve function of an employee's immedries to claim reward for man he killed and dance. "The Esquires" are booked iate supervisor, therefore the Em-(Adults-Young People) 9 p.m. through 2 a.m. Floor show vision calls the attention of superpublicity will be released at a later visors and employees to the Andate.

motion picture selection for view- may be carried over into the new wers theft. Broker devises plan to steal ing at the Station Theatre, the fol- leave year, which begins January, amonds from Los Angeles Art Museum for lowing information is released to 7, is 30 days. (Adults provide a fuller knowledge of the Any annual leave in excess of 39 DEC. 10-11 Navy-Marine Corps Motion Picture days after January 7 will be for-Plan. feited.

This system, which operates from Supervisors and employees should Monday-7 p.m. the office of the Commandant, 11th review leave status cards distrib-Comedy in Color) Fast and funny tale Naval District, has the ultimate de- uted in October and adjust leave the office of the Commandant, 11th review leave status cards distribished the Navy Motion Picture Ser- 5, 1963. vice. With fewer films being pro-DEC. 12-13 duced each year, it is becoming increasingly difficult to supply films Desert Community considered to be desirable entertainment for those authorized to at- Orchestra Concert tend the Station Theatre.

It should be noted that programs Set for Thursday caused by Christmas tree decora-but they are held prisoners. This is fast seen by numerous persons with will present its second concert this many individual tastes, therefore month when they appear next requiring a diversified booking of Thursday evening, December 14, at DEC. 14-15 available films. 8 p.m. at the James Monroe School auditorium

Matinee Shows

This Station was advised that films for children's matinee show-Myers, the program will include ing are becoming limited. It is an- Hopak from "The Fair at Soro-⁶ ing are becoming limited. It is an-ticipated that in the not too distant future, it may be necessary to de-crease the number of showings of this special type due to the lack of f ilms considered suitable for children. children.

Cribbage

School Choir with additional singers The last cribbage tournament of from local church choirs will sing the year will be held next Monday the "Hallelujah Chorus." An enin the Community Center lounge semble which includes Rosalie Mc-Kay, violin, Albert Schoss, viola,

Meetings... zart quartette. The 41-member orchestra is in

QUARTER MIDGET Racing will of Theldon Myers. Neal Olsen is astack at San Gabriel this week. For further info, call Warren

> AFGE LODGE 1781 will meet at Center. Members are urged to atmonth.

at a dinner meeting to be held at

speaker will be Trent Dames of the

Dames and Moore firm of Los

Angeles, Call J. L. Cox, Ext. 71549

or Bud Shull, Ext. 72234 to make

GET THOSE SUGGESTION

CIRCULATING !

WACOM'S FASHION SHOW Budd Gott_

"Desert Holiday" will be presented for its members tomorrow noon at the Officers Club. "W. D. Cambridge, PH3_

eservations.

the Officers Club.

Friday, December 8, 1961

THE ROCKETEER

Page Three



KELLY AWARD-Burroughs principal Kenneth W. Westcott congratu-as a Chief Machinist Mate. lates John Dunaway, Kelly Award recipient, naming him the outstanding senior boy in sports. The presentation was made last Friday at in foreign duty - China, Cuba, the first school assembly held in the new gymnasium. John's name South America, Europe. He left will be added to a plaque to be erected on the Burroughs campus.

School Notes

concert is open to the public. The A Cappella Choir is composed p.m.

up of 29 beginning members. **Report Cards Distributed**

be returned to the school.

Junior Archers Hold Tenth Annual Tourney The China Lake Junior Archers

last week.

The competition will take place this Sunday at the indoor range (old supervisor's hut) at 1 p.m. The public is invited. Champs of the local elimination who received trophies donated by

the Rocket Bridge Club, and who are scheduled to compete on Sunday are: (9-11 yrs.) Linda Linsea, Andy Hinz and Danny Snyder: (12-15 yrs.) Tom Ward, Rod Zagala, and Weldon Young.

Dry Land Ski School The Burroughs music depart- Set This Weekend ment, under the direction of Neal W. Olsen, will present the high For Junior Skiers

school Mixed Chorus and A Capella Schoeffel Field will be the scene until coming to Long Beach. Choir in their annual Christmas of an introductory session in dry His spare-time plans include gar-

of 39 voices with four years of To participate in the instruction training, while the Chorus is made session Sunday, all Junior Skiers are required to attend the preliminary session to be held Saturday at According to the Burroughs ad- 1 p.m. in the Junior Skiers' hut on ministration office, the second six the old Rowe Street School campus weeks grading period closed De- The session will include a motion

cember 1. IBM report cards were picture on ski instruction and day. These cards do not have to selection and use of ski equipment by Paul Driver. Youngsters interested in taking

tions this weekend.

and the second se
Intramural Basketball Dec. 12–VX-5 B vs. Engineering,
6:00 p.m. Dec. 12-VX-5 A vs. NOTS, 7:30
p.m. Dec. 14—VX-5 A vs. Engineering,
6:00 p.m. Dec. 14—VX-5 B vs. Salt Wells,
7:30 p.m.

Christmas Parties Friday, December 8

Friday, December 8
NAF and NOTS Enlisted Personnel Community Center
Air-to-Air Weapons Division,
Rocket Development Department
Propulsion Development Dept Elks Hall, Ridgecres
Propulsion Development Dept. Elks Hall, Ridgecres Saturday, December 9
Navy Exchange Community Cente Public Works (All PW employees invited— contact Marge Reed, Ext. 71511) Recreatio nHu
Public Works (All PW employees invited-
contact Marge Reed, Ext. 71511) Recreatio nHu
with a particular to the second secon
Wednesday, December 13
Technical Information Dept Community Center
Technical Information Dept. Community Center Friday, December 15
Supply Department
Supply Department
NOIS Rockhounds Releated in it
Weapons Development DepartmentElks Hall, Ridgecres
(Festivities begin with hors d'oeuvres and punch bowl at 8 p.m.)
Saturday, December 16
Engineering Department
Quarter Midget Racing Assoc Recreatio nHu
Aviation Ordnance Department Elks Hall, Ridgecres
Sunday, December 17
Sunday, December 17 Machinist Auxiliary (Children's Party) Recreation Hut—2 p.m
Tuesday, December 19
Test Department (Children's Depty) Pogration Hut 2 nm
rest Department (Children's Party) Recreation Hut-s p.m
Test Department (Children's Party)
Test Department Community Center
Friday, December 22
Central Staff and Office of the Commander Community Center
Personnel Department

News **Daugherty Retires**

LeMoyne Daugherty

30, with a total of 41 years of Fed- nomena, the Fish Vortex System. eral Service was Le Moyne Daugh- The flow of water about the unduerty, most recently at Morris Dam lating form of a live actively swimas an Experimental Test Ordnance ming fish, never before seen, was Mechanic. He had been with NOTS for the first time made clearly vis- ible since 1950, transferring from the Long Beach Naval Shipyard.

a military man - with the Army during 1918-1919 and the Navy Melodious Voice from 1921 until 1944 when he retired

Much of his military service was Pearl Harbor on December 4, 1941 - just three days before the attack took place. During the War, he was with the Atlantic Fleet.

Originally from Millsboro, Pennylvania, he settled in Clinton. Oklahoma, on retirement from military service. He was with the Naval Air Station, training personnel,

concert set for December 12 at 7:45 land ski instruction by Paul Driver dening until Spring when he will do p.m. in the multi-use building on for all new and prospective mem- some traveling. He plans to take the campus. The admission-free bers of the Indian Wells Valley in the Seattle World Fair next year, Junior Ski Club this Sunday at 1 then go back East to visit old friends.



distributed to students last Wednes- pointers on basic skiing principles, SF-58. Contact Nancy Reardon, partment a few years ago, are mov- with his wife, Henrietta, and Pasadena Personnel Division, Ex- ing to San Clemente. tension 104.

part in the Junior Skiers next out-ing in the Mammoth Mountain area shile for development modification biologies (The coffee not will all ing in the Mammoth Mountain area sible for development, modification Diego. "The coffee pot will alon the weekend of December 16-17 and day-to-day operation of photo- ways be on," says Madeline. on the weekend of December 16-17 are urged to attend the ski instruc-optical equipment of the Test De-Chief Operator at NOTS Pasapartment's San Clemente Island dena since 1951, Madeline was forheld their annual tournament last Final plans for this outing will ranges. Incumbent is assisted in merly with General Tire and Rubweek and will pit their champions be made at the Junior Ski Club this effort by photo-optical equip- ber Company at this location hav-Sponsored by the Employee Deagainst the Ridgecrest Junior Arch- meeting to be held on Wednesday ment technicians and by contractor ing joined them in 1946. ers, who also held their tournament evening, December 13, starting at 7 and China Lake personnel and She leaves a well-represented with "Exploration of the Moon" in Room 27 at Burroughs High equipment. Frequent travel to San family at Foothill, however, as her and the other on "The Procure-Clemente Island, Long Beach and son John is with Engineering and ment Team." China Lake is required.

> ing Director for insuring safety and adopted baby son. years experience in testing ord- High Sierras, Canada and Alaska. nance involving explosives plus ability to review fire control and other circuits involved, and de- Teletype Circuits termine safety.

Materials Engineer or Metallurg- Expand Services ist, GS-9 or GS-11, PD. No. OP80046, Code P8093 - Perform research and development on materials for air, surface and underwater launched missile systems. General knowledge of structural and hightemperature materials required.

tion, analysis, verification and re-porting of budgets for three di-visions of the department. It also includes precedural review and reporting of contractor budget proposals. Current FSEE eligibility is required. Applicants at the GS-5 Choir Schedule posals. Current FSEE eligibility is level will also he considered.

Administrative Officer, GS-12, Dates Corrected PD No. 1P80139, Code P8096 - Re- The dates of the holiday singing Ships Will Host Recreation Hut ing or of the physical sciences. annual event.

From Pasadena Moe Rosen Speaks On Fish Studies Before American Rocket Society Meet

Returning today from New York City where he spoke before the American Rocket Society and the American Society of Mechanical Engineers is Moe William

Rosen, Propulsion and Power Plant Research Engineer, and Consultant, with UOD's Propulsion Division. His discovery of the Fish Vortex System was discussed at their meeting the week of November 27.

Rosen has performed a series of experiments using live fish and dolphins; experiments relating to their method of propulsion. This work resulted in his discovery in mid 1958 of a most surprising and Retiring last Thursday, November hitherto unknown series of phe-

Other government service was as Pasadenans Miss



Madeline Nelson

Pasadenans this week missed one ciety. of the friendly voices from the A graduate of CalTech with a Telephone Office for Madeline Nel- B.S. degree, and the University of son, Chief Operator, retired last California with a Master of Science Friday. She and her husband, who degree, Rosen has been at NOTS tions, submit an up-to-date form retired from the Pasadena Fire De- since 1947. He resides in Altadena

They will live at 150 La Esper-Physicist (General), GS-12, PD anza and invite their many friends

daughter-in-law Jeannette with 80303. Duty Station: Long Beach- Greenley is a former NOTS employ-Serve as Assistant to SCI Engineer- ee, now at home with a newly technology and the systematic

Job requirements: Minimum of five trailer, and do some fishing in the

ications Branch at NOTS Pasadena, Navy Purchasing Office, Los Anhas announced an expansion in geles, will lecture on the technical teletype services with improved aspects of good procurement plancommunications now possible.

emperature materials required. Budget Analyst, GS-7, PD No. DPS0120 Code Ben120 This conly between Pasadena - China sential leadtime requirements in OP80129, Code P8012 - This is a Lake and between Pasadena-SCI- procurement; and important contrainee position leading to respon-Long Beach. The new circuit capa-siderations in making technical sibility for the procedural prepara-bility permits linking together any evaluations on bids and proposals.

sponsible for management and su-schedule of the NOTS Pasadena pervision of Publications and Pho- Christmas Choir have been changed tration services, and operating the at Foothill and Morris Dam. We 1-4 p.m. on both days.



Moe Rosen

He discovered that fish, as they swim, generate about their bodies a series of beautifully organized large water cyclones - or Vorticies. From the evidence of these experiments with his little fish "Geronimo," Rosen, in the same year, developed a theory, the "Undulatory or Vortex Peg Theory of Propulsion," showing that these vorticles act on the body as well as the tail of the fish and assist in driving it forward.

Continuing his work with live aquatic animals, Rosen designed and conducted a series of Flow Visualization experiments with a porpoise. He is presently working on the results of his research, part of which he presented at the meeting in New York.

Rosen's discovery of the Vortex System and his Undulatory Vortex Theory of Propulsion have attracted wide attention from scientists throughout the United States, and resulted in an invitation to speak before the American Rocket So-

daughter Marcia Jill.

Two technical lectures are sched-

uled at NOTS Pasadena next week. velopment Committee, one will deal

Ordnance Technician, GS-11, Code Supply. Her daughter Shirley 1:30 p.m., Dr. N. A. Renzetti will discuss the evolution of spacecraft test operations at SCI including Madeline and her husband, Alvin, He will also describe the physical hardware, circuitry and procedures. plan to travel in their new house and chemical investigations required to further the understanding of our sonar system. This is the second lecture of Dr. Renzetti's series on space technology. He is with Jet Propulsion Laboratory and is a consultant to NOTS.

On Thursday, December 14, at Lynne Jordan, Head of Commun- 1:30 p.m., Morgan Rogers of the ning; mandatory features in draft-Under the previous set-up, tele- ing proper sole source and proprie-

Both lectures will be held in the Building 7 large conference room and both are unclassified.

General Visiting

tography Branch operations which from those appearing in last week's The USS EVERETT F. LARSON include writing and editing techni- Rocketeer. The new dates are De- (CDDR 830) will hold open house cal reports, providing technical cember 21 at the Long Beach Vet- this weekend, December 9-10, in the publishing, photographic and illus- erans Hospital, and December 22 Long Beach area. Visiting hours are

Annex technical library. Good are all looking forward with an- Next weekend, December 16-17, knowledge necessary of engineer- ticipation to this most enjoyable the USS McKEAN (DDR 784) will hold open house.