NAF Officer Promoted



NEW LIEUTENANT - Capt. L. A. Dewing, Commanding Officer of NAF, recently presented Lt. (j.g.) John Lockard the bars of Lieutenant. Lockard is the Attack Systems Of-



SANTA IN SAIGON? - Actually, this was the scene when jolly St. Nick visited China Lake, and represents a small portion of the hundreds of children, parents, grandparents and relatives who turned out to greet Santa last Saturday at Bennington Plaza. Santa gave candy canes to all the children, and listened to their many requests, and it was apparent that a jolly good time was had by all.

CROSSWORD PUZZLE Answer to Previous Puzzle 27-Compass point 28-Get up 29-Study 31-Pigeon pea 34-Note of scale 35-Eccentric 38-Behold! 39-Cloth measure 41-Offspring 42-Missile weapon 44-Printer's measure 46-Drinking glasses 48-Domesticated 51-Small factory 52-Time gone by 53-Guido's low note 55-Confederacy 59-Writing implement 60-Fashion 62-Secretary of sloth 26-Drunkard 30-Eat in small bit 32-Winglike 33-Defeat 36-Decay 62-Secretary of State 63-Paid notices 64-Insects 65-Dirk DOWN 1-Priest's 2-Crony (colloq.) For Use In Authorized Service Newspapers Only.

'HIGH, WILD AND FREE" (105 Min.) (Adult, Youth, Children)

-MATINEE-FACES OF DR. LAO" (100 Min. 1:00 P.M.

Shost Riders" (No. 3, 13 Min.) -EVENING-"THE UGLY ONES" (96 Min.)

Shorts: "Counterfeit Cat" (7 Min.)

7:30 P.M. Western) Sadistic gunman escapes on his way to Yuma prison and forms a violent gun-slinging band of desperados as a

Shorts: "Pink Valiant" (7 Min.)

DECEMBER 15 BAKERSFIELD COLLEGE PRESENTS

DECEMBER 16 "SALT & PEPPER" (101 Min.) Sammy Davis, Jr., Peter Lawford

7:30 P.M. (Mystery/Comedy) Sammy and Pete run the gamut of footwork and fistwork as they first discover a corpse and then a topless gambling club. Bombing, kidnapping and a Polaris sub! All fun! (Adult.)

TUESDAY-WEDNESDAY DECEMBER 17-18 THE ODD COUPLE" (105 Min.) Jack Lemmon, Walter Mathau 7:30 P.M.

(Comedy) The funniest film of the year has Jack moving in with Walter, a poker playing slob who loves a messed up apartment. And Jack, a dust detesting clean-living type, proceeds to foul things up. Don't miss this funfest! (Adult, Youth, Mature

HURSDAY-FRIDAY DECEMBER 19-20 "TO SIR WITH LOVE" (105 Min.) Sidney Poitier, Judy Geeson

(Drama) Qualified engineer accepts a job teaching in a slum school where the tough element await his start. Racial tension and owdyism are matched against his radica study plan. Sir is a parallel to today's headines. (Adult, Youth.)

Short: "Snow Excuse" (7 Min.) -MATINEE-

"FATHER GOOSE" (116 Min.)

Leslie Caron "CLAMBAKE" (99 Min.) Elvis Presley, Shelley Fabares

SUNDAY-MONDAY DECEMBER 22-23 "THE BIBLE" (157 Min.)

John Huston, George C. Scott, Ava Gardner, Peter O'Toole (Drama) An impressive story of Genesi elating the creation, Adam and Eve, Cain and Abel, Noah and the Flood, the Tower of Babel, Destruction of Sodom and the saga of Abraham. A melange of action drama and spectacle that portrays the

Donations Wanted

Club Chaparral Auxiliary will hold a donation drive in front and for three to five particiof Von's Shopping Bag on two pants in the WEPCOSE Pro-Friday mornings, December 13 and 20, for the retarded children of Porterville State Hos-

The donations will provide for sending some of the children to camp next summer. For further information, call

Dee - Dee Danielsen, publicity chairman at 375-9092 or Maryann Kraft at 375-8088.

Free Gift Wrap

The NAF officers' wives will provide a free Christmas gift wrapping service for all active military personnel December 16-20 at Toyland, located in the old bowling alley.

Hours for the gift wrapping service are: Monday, Tuesday, Thursday and Friday from 11 a.m. to 1 p.m. and 4 to 6 p.m. Wednesday the hours are 11 a.m. to 1 p.m.

Wishin', Waitin' For Snow



DRYLAND SESSION - Janey McEwan practices the slalom step at China Lake Ski Club's dry-land classes held recently on the lawn at 109 Blandy. The Ski Club holds its regular meetings on the 2nd Tuesday of each month at the Community Center at 7:30 p.m. At the December 17 meeting, an informal Christmas party will also be held. Contact Roman Motyka at 72844 for more information.

WEPCOSE Awards Offered

for NWC Fellowships and WEPCOSE Awards for the 1969-70 academic years is January 31, 1969. All who plan to apply should contact the Education Director as soon as possible for pertinent instructions and application forms, if they have not already done so.

One hundred and thirty-four NWC employees have pursued graduate studies in engineering and the physical sciences with the aid of NWC Fellowships since these awards were first made in 1952, and 37 have to date participated in the WEPCOSE Program since its inception in 1958.

The Center during recent years has had approximately 20 employees away at school on NWC Fellowships each year, award is normally for a period of one academic year but may be extended if the planned program of study warrants. Approximately 10 NWC Fellowships are expected to be available for assignment to new applicants this year.

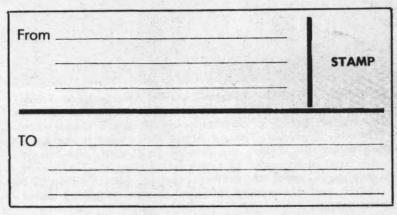
ble two Senior NWC Fellow- ranged from 15 to 20.

The deadline for applying ships. These are designed to benefit senior personnel who have need for refreshing and advancing their training or desire to pursue specialized studies and research at the postdoctoral level.

> The WEPCOSE Program is sponsored by the Office of Civilian Manpower Management training in weapon control systems engineering and opera tions research. Options in sys tems engineering are aeronautics, astronautics, electronics,

Ten schools are currently offering WEPCOSE training. Those located in the west are Stanford University, the University of Washington, the Universities of California at Berkeley and Los Angeles, and the California Institute of Technology. Among the others gram. Each NWC Fellowship are the University of Michigan and the Massachusetts Institute of Technology.

Applicants nominated by this Center for participation in this program compete with applicants from other Naval establishments throughout the Nation for the available awards The Center also has availa- which in the recent past have





Vol. XXII, No. 50

Naval Weapons Center, China Lake, California

Fri., Dec. 13, 1968

Naval Air Facility Bluejackets **Build Aircraft From Scrap Parts**



COST SAVING PROJECT - NAF Enlisted men that participated in the recent salvage project that saved thousands of dollars in money and material gather around their "bird." The aircraft will be used to test the new ZAP rocket on the SNORT sled in the next few weeks. Except for their expertise and ability, the project would have been held up for months, or may not have gone at all. The photograph was -Photo by PH2 D. E. Hart taken in Hangar 3.

NAF Bluejackets Show Expertise In Fabrication

Initiative and know - how Naval Air Facility recently when the bluejackets of that command turned a negative into a positive. In the process, they also saved the government an estimated \$143,298.10 in material and funds.

It all began in April of this year when the Center's SNORT (Supersonic Naval Ordnance Research Track) facility was given a task by the Naval Ordnance Laboratory, White Oak. The task, briefly, included the environmental firing of the new ZAP rocket under simulated flight conditions. Basically, the test involves loading the rocket on a modern jet aircraft and, while the aircraft is in a simulated flight configuration, (i.e., on the SNORT sled), firing the rocket.

The task, as written, is quite in keeping with the mission of

(Continued on Page 7)



CONGRESSMAN VISITS-The Hon. Lucien Nedzi (D), from Michigan's 14th Congressional District, is greeted by Capt. R. Williamson, II, NWC Executive Officer, who also hails from the Wolverine State. Congressman Nedzi is on a tour of various R & D facilities.

Dr. McLean ill

Dr. William B. McLean NUWC Technical Director and former Technical Director of NWC, suffered a cor onary attack while in Pasadena on Monday, December 9. The injury is not believed to be severe or extensive although he is presently undergoing treatment at St. Luke's Hospital in Pasadena.

Reports received Wednesday indicate that Dr. McLean may be hospitalized for several weeks. For the present time no visitors other than his immediate family are permitted.

Friends of Dr. McLean who wish to send cards may address them to Dr. McLean in care of St. Luke's Hospital. 2632 E. Washington Blvd., Pasadena, California

All of the Naval Weapon Center wishes Dr. McLean a full and speedy recovery

Development Of Local Hospital Long Process

The recent dedication of the new facilities at the Ridgecrest Community Hospital marked another major milestone in the growth and background of the Indian Wells Valley. As a matter of fact, the notable event historically parallels the development of the Naval Weapons Center.

Twelve thousand babies have been born in the Ridgecrest Community Hospital during its 25-year history. A total of 15,-000 major operations have been performed there, and more than 40,000 patient admissions have been logged on the books

Dr. Thomas Drummond, the founder, moved into Ridgecrest from Randsburg about the time the Navy closed off the NWC Sick Bay to civilian personnel. From these beginnings, Ridgecrest Community Hospital has grown into a 50bed institution

Facility Turned Over

Five years ago, Dr. Drummond and the doctors of his medical staff made a gift of the hospital and its equipment to the people of the community. The bequest was valued at \$400,000, including \$100,-000 in accounts receivable Soon thereafter, the hospital was incorporated under the non-profit laws of the State of California, and has been operating as such since then

As soon as the non-profit legalities were established a board of directors was created, comprising people from the entire community, including a number from China Lake. Three China Lake residents, William Hattabaugh, Dr. Pierre St. Amand, and Clarence Weinland have been among the contemporary board of directors which includes: T. A. Drummond, M.D.; Georg W. Daiber, M.D.; Robert J. Hamblin, M.D.; Burke West, Vic Ellis, and Myrtle Murchison. Two members, Mr. Weinland and Dr. Hamblin, have recently moved out of town, and accordingly, resigned from the board. New directors have been appointed to fill the unexpired terms, and will be announced later.

Medical Staff

The medical staff consists of Dr. Thomas Drummond, Dr Georg Daiber, Dr. Thomas Fauble, Dr. Harvey Gardy, Dr. Robert Gilmer, Dr. Hillard Green, Dr. Theodore Haun, Dr. David Jahsman, Dr. William McBride, Dr. Harold Mills, Dr. Peter Pinto, Dr. J. C. Schrader. Dr. Albert Sheff, Dr. Dennis Welcome, Dr. R. Wolney of Kernville and Dr. William Chase, Boron.

The new \$1,260,000 building was completed last August, approved by the State in September, and occupied that month. Its 30 patient - rooms are evenly divided into two rotundas, or circular buildings, with medical cases in the east wing, and surgery and maternity in the west. This efficient design places the service desk and nurses' offices in the center of the rotunda, with the patient rooms on the outside diameter, with access to the

(Continued on Page 4)

CHAPLAIN'S MESSAGE

Chanukkah



By Student Rabbi Robert Klensin

Although not enjoined in the Bible, Chanukkah (Hanukkah) has come to play an ever-increasing role in Jewish life and tradition. Historically the Festival of Lights, as Chanukkah is often called, dates back to the military victory of the Jews over the Syrian forces of King Antiochus IV in Palestine in the year 165 B.C.E. (Before Common Era).

But Chanukkah is much more than a celebration of a military victory. In the year 175 B.C.E., King Antiochus began to use force to impose Greek customs and ways of life on the Jews. The king persecuted all those Jews who refused to give up the practices of Judaism. He looted the Temple and ordered all Jews to bow down to the idols he placed there and throughout Palestine. It became apparent that militant resistance was needed. There was an uprising, and under the leadership of Judah Maccabee and his brothers, small Jewish bands took to the hills, and employing guerrilla warfare, fought against the mighty Syrians. After several years of bitter fighting, the few conquered the many, and the Syrians were driven out.

On the 25th day of the Hebrew month of Kislev (which falls during the month of December), the Jews made their entrance into the Temple, cleansed it, and rededicated it to the service of God. And so the festival of Chanukkah, meaning "dedicated," is observed. Chanukkah recalls the first struggle in written history when man fought not for material possessions and for land, but for ideals, especially the ideal of human liberty. It calls to mind the first recorded instance when men spurned security purchased at the cost of conscience, when the human spirit refused to be intimidated by force. Chanukkah is thus a powerful inspiration for all people everywhere to resist tyranny.

During Chanukkah, Jews light candles in memory of the great struggle fought by their ancestors for religious freedom. One reason given for lighting the candles for eight days is the legend that a cruze of oil, the only undefiled oil the Jews found in the Temple when they recaptured it, which usually lasted for one day, actually burned for eight days.

As we kindle the lights we are reminded that we must never falter in our quest for freedom of religion and conscience. We are grateful that we live in a land where this freedom is granted, and will do all we can to insure that this free freedom is never lost.

This Chanukkah, world Jewry is especially cognizant of the oppressed situation of Soviet Jews, where once again the Jewish people are deprived of freedom to serve God as they

We pray that religious and cultural genocide there will change as we read the traditional Chanukkah reading from the prophet Zecariah: "Not by might, nor by power, but by my spirit, saith the Lord."

CENTER LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library. **Fiction** Carlon-See Nothing . . . Say

Nothing. Horgan-Everything to Live For.

Leslie-The Golden Stairs. Sheed-Blacking Factory & Pennsylvania Gothic.

Non-Fiction de Bono-Five-day Course in Thinking.

Fletcher-The man Who Walked Through Time. Flexner-George Washington in the American Revolution (1775-1783)

Halpern-Policies Toward China. Kendall-The Upper Hand. McLachlan-Room 39.

Russ-Happy Hunting Ground. Voeks-On Becoming an Educated Person.

The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California Capt. M. R. Etheridge, USN **NWC Commande**

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DIVINE SERVICES

Protestant (All-Faith Chapel)-Morning Worship-8:15 and 11 a.m. Sunday School—9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) lo-

Roman Catholic (All-Fatih Chapel)-Holy Mass-7, 9:30 a.m., and 12:30 p.m.

Daily Mass-11:30 a.m. in Blessed Sac rament Chapel. Saturday, 8:30 a.m. Confessions-7 to 8 p.m. Saturday.

NWC Jewish Services (East Wing All-Faith Chapel)-8 p.m. every first and third Sabbath School-10 a.m. to noon, every

Unitarian Fellowship—(Chapel Annex 95, 95 King Ave.)—Sundays, 7:30 p.m.

PROMOTIONAL OPPORTUNITIES

ROCKETEER

Present Center 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.

Vacancies listed below are effective from ember 13 to December 20, 1968. Fire Fighter, G5-081-03-04, Code 842

in combatting fires involving airfield andor structural fire fighting and rescue work. Clerk-Typist, GS-322-03-04, Code 258 ply Division of the Supply Department. Major duties and responsibilities include typing, routing and filing, and other miscellaneous duties such as answering telephones and is responsible for maintaining adequate supplies required for in his work. Is required to type rapidly and accurately. Must also possess personal characteristics which will enable him to get along well with others in the Division.

Clerk-Typist, GS-322-03, Code 25732 Responsible for the preparation of all outgoing documents, the subsequent processing, routing and-or mailing thereof and the daily distribution of all incoming papers aining to the branch.

File applications for the above with Car ole Cadle, Bldg. 34, Rm. 26, Ext. 71648. Travel Clerk, GS-3 or 4, Code 8517 Arranging travel by a variety of routes and carriers; arranging airline travel between China Lake, and Pasadena and miscellaneous duties. GS-3 trainee position, GS-4 requires 1 yr. specialized experience. File application for above with Sue Pra-

solowicz, Bldg. 34, Rm. 28, Ext. 71577. Clerk, GS-4 or 5, Code 402 and-or 4005 This position is that of assistant to the Busi ness Manager in the Anti-Radiation Guid ance Division (Code 40202) and-or SHRIKE Program Office (Code 4005), Weapons Development Department. The position involv es procurement processing, personnel processing, work requests, equipment and supplies, budget and fiscal funding, presentation of budget and fiscal information and istrative clerical duties. Incumbent should have 2 to 5 years experience in the above areas. Some typing will be required. File applications for above with June

Chipp, Bldg. 34, Rm. 26, Phone 72676. Budget Clerk, GS-525-5, Code 1732 Provides assistance to Budget Analyst and prepares various budget reports. I year specialized experience required. File application for above with Sue Pra-olowicz, Bldg. 34, Rm. 28, phone 71577.

Assessments Due

Members of the Government Employees Benefit Association and the China Lake Mutual Aid Society are advised that assessment 169-97 is due for the death of John E. Morris, former employee of the Engineering Department, who succumbed December 6 at Hamilton, Montana.

Assessment 170-98 is due for the death of Melton J. Capps, employed at SNORT, who died at his home in China Lake December 10, 1968.

Payments of \$2.40 may be mailed to Joseph M. Becker. Secretary-Treasurer, 77-B Renshaw, China Lake, Calif.

George Sutherlen **Memorial Fund**

A memorial fund in memory of George R. Sutherlen. who succumbed November 30. is being collected, reported Monte Blue of Masonic Lodge 691.

The first \$50 will be used for a memorial chair at Indian Wells Valley Masonic Lodge

The remainder of the memorial fund will be given to the Shrine Crippled Children's Hospital in accordance with the wishes of Mrs. Sutherlen.

Those desiring to honor the memory of George Sutherlen should make their checks payable to the Shrine Crippled Children's Hospital or to Masonic Lodge 691 and mail all checks to Monte Blue. P. O. Box 176, Inyokern, Calif. 93527

THE LATEST WORD

NIF Is Here

On January 1, 1969, the accounting system of the China Lake Laboratories will convert to the Navy Industrial Fund (NIF). This will bring all of NWC accounting operations within the same system since the Corona Laboratories are already operating under NIF. China Lake has been operating under a Modified Industrial Fund Accounting System since 1952. This brief article will provide the new NIF user with some basic information about how it works.

Q. What is NIF? A. Employing commercial accounting techniques. NIF recognizes expenses and revenues at the time they are incurred rather than when formal payment is made. Instead of having many differing sets of accounting information on the various job orders, there will be one set of accounting which goes on

Basically, NIF differs from Modified Fund Accounting (accounting by appropriation) by use of an appropriated, revolving capital fund. An original capital of \$11.4 million has been established for the Center as the revolving fund. The Center replenishes the revolving fund by billing the customer for work

The customer is whoever we obtain funds from for a given ob, e.g., NASC funds for Shrike, fuzes, etc. The customers will still send their funds to the Center, but the Center accumulates costs through the revolving fund, rather than citing the customer fund source directly. The customer's money authorization is called, in fact, a customer order and allocated in that form, but using NIF accounting information.

In essence, NIF accounting is designed to assure timely and equitable distribution of all appropriate direct and indirect cost incurred in the performance of each customer order.

Q. How does NIF vary from China Lake Accounting System? A. It varies little in practice from an in-house customer viewpoint. NIF can do anything now being done under the current accounting system. It will ultimately make the accounting system simpler and easy to administer. Q. How will NIF affect operating Departments at China

A. It will mainly affect accounting systems:

Project Management - The principle change is that multiple fund sources for a given project can be treated as a single fund resource under a single customer order if the project engineer truly feels that the customer funds are for like work. It will not affect ways in which individual projects are planned or managed but costs will be reported at the customer order level to the organization and not to the individual fund source

(Continued on Page 7)

Navy League Provides Spirit



NAVY LEAGUE YULE PARTY - Chaplain Harold A. Mac-Neill receives a "token" Christmas gift package from Navy League president, Howell Sumrall, at the Navy League party held recently at The Hideaway. Gifts provided by Navy League members are distributed by the Chaplain's office to local needy families.

Navy Industrial Fund Is Here

Friday, December 13, 1968

(Continued from Page 2)

if more than one fund source is used per customer order. Overhead — There will be a more direct and simple way of computing overhead costs by cost center. This will result in moderate changes in some cost center overhead rates effective January 1. (2) Budgetary procedures for non-project effort will change. (3) While there will be no immediate change in the current cost centers, their functions will be reviewed as in the past, any changes to costs centers will be determined by local management.

Capital - Major change is that class 3 and 4 equipment costing less than \$1,000 may be procured from overhead funds. Procedures to integrate this with current management policy regarding equipment is being developed.

Operations - To minimize disruption to in-house customers this year, no changes in the job order structure or basic EAM reports will happen except to cite NIF as the basic accounting data. More specifically, any job order now valid, will still be valid January 1.

Effective July 1, the Center will implement a completely unified system for financial operating and cost reporting for the Center that integrates China Lake and Corona. Q. How will the departments be kept informed of changes?

A. A NIF conversion team has been established in Code 17 under the leadership of F. W. Fletcher, Head, Accounting and Disbursing Staff. Questions may be addressed to him. Also, individual Code 17 analysts will be working closely with their department and counterpart customers. Briefings are being given to individual Department Heads and Staffs as required. Any changes in procedures will be made available to the departments. A simplified brochure in layman's language will be issued by February explaining NIF more fully.

Q. How are the Corona Laboratories involved?

A. Corona is already on NIF. Personnel familiar with NIF are expertly assisting China Lake in the conversion process. The cost center structures and operations will not change: services to FMSAEG will continue. Effective July 1, the total accounting and financial system for the Center will be inte-

Q. Can the Commanding Officer issue emergency work authorizations prior to receipt of funds?

A. Yes, up to \$250,000 per job. While authorization to do so is sharply defined, this device may be used for emergency work. The Center must have written assurance (or equivalent documentation) that an order providing money will be issued

Conversion to NIF at China Lake will start NWC on the road to a more modern and responsive financial system. We will materially profit from Corona experience. NIF will help to bind Corona and China Lake together by providing a uniformly understood communication system and financial working

Central Staff will provide working communications to customers on any changes. NIF should not cause any significant change in the method of the Center's operations. In time, it will lead to recognition of definite beneficial effects. New and better accounting tools can only work to the Center's advant-

The January 1 conversion date is the initial step in a systems modification which will take a minimum of 18 months to fully implement. Cooperation and understanding is needed. Specifically, the old dual accounting systems for the Center were under serious strain; the added burden of the major change due to NIF conversion will dictate that instant improvement will not take place. Improvement will occur as the critical mass of operating experience takes hold.

Ad Altere Dei Award to Canfield



HIGHEST AWARD — Baxter Canfield, Life Scout in Troop 801, received the Ad Altere Dei Religious Award presented by Father Raffel in ceremonies at St. Ann's Catholic Church, Ridgecrest. The Ad Altere Dei Award is the highest award the church can present to a scout, and this is the first such award in seven years, locally. The award requires a scout to perform certain duties within the church and community religious service, requiring about two years.

Brigham Young Students Visit Center



BRIGHAM YOUNG STUDENTS - Electrical Engineering students from Brigham Young University visited the Center re-

cently as part of their annual junket tour of significant technical facilities. They were taken on a tour of the facilities.

NAF Bluejackets Build Aircraft

(Continued from Page 1)

it turned out, however, there was a definite hitch.

Before performing the test, it was necessary to obtain an in finalizing the vehicle were: aircraft that could be used. When an inquiry was made, the answer came back that there was no way that a firstline aircraft could be taken pflug; AMS3 J. E. Baldwin; AN out of the inventory at this J. D. McRobbie; AMS1 R. J. time for testing purposes. For O'Brien; AMH1 W. F. Solway; a time it looked as though the test would not be performed due to the unavailability of a suitable aircraft.

former NAF Operations Division Maintenance Officer, took E. J. Driggers; ADJ1 G. R. Robthe bull by the horns. He decided that his bluejackets could build a test vehicle, with all the aerodynamic properties required, by salvaging wrecks and worthless parts of other aircraft.

Together with Don Hart, a production control specialist at NAF, and Mort Bergren, a Douglas Aircraft service representative who assisted with the technical details, they set about to find the necessary parts and equipment to build an aircraft that could be used to run the tests.

From the Naval Air Rework Facility (NARF) Alameda, they obtained a wrecked A-4 fuselage wing, and landing gear; and from NAS Lemoore. they borrowed another badly damaged wing section. With these salvaged parts and some equipment from a salvage A4-A that was on hand at NWC. they were able to put together a vehicle that could be

The bluejackets of NAF deserve the credit for actually piecing together the finished product and actually refabricating the structural parts and fittings. In the process, cabling was restrung, fuel lines refurbished, and an old gas tank was acquired and restored.

Next week, the first test of the ZAP missile, under simulated flight conditions will be conducted at the SNORT facility. Each rocket motor roar will become a fitting salute to the men whose ingenuity and stick-to-it-iveness made the test possible

LCdr. A. E. "Scotty" Molloy. Hammett's relief at NAF has been bird-dogging the project for the past few months. Un-

the Naval Weapons Center. As der his direction, the work of building the "aircraft" was completed. Enlisted personnel whose work was instrumental AE2 D. W. Reid; AE3 G. K. Anderson; AE3 N. C. Jost; AM-SC R. F. Campbell; AMS1 K. W. Nowak; AMS2 M. R. Boes-AMH2 M. R. McCoy; AMS2 R. D. Jones; AMH2 C. P. Pilgrim; AMS2 J. E. Collins; AMH3 G. D. Smith; AN J. E. Glover; AN Finally, LCdr. Joe Hammett, D. D. Barr; AR W. R. Sack; ADJ3 W. C. Carlberg; ADJ1 erts; ADJ3 C. A. Simmons; ADJ3 C. E. Stambaugh; ADJ2 D. R. Will; ADJC D. R. Billinger; ADJ1 M. C. Bennett; ADJ1 T. J. Bettes; ADJ2 R. W. Hemmert; ADJ2 P. L. Butterbaugh; ADJ2 W. E. Dubay; ADJ3 D. W. Page; ADJ3 M. N. Sneed: ADJ3 D. E. Noblin: ADJAN D. N. Johnson; ADJAN B. A. Nance; ADJ2 B. L. Morris; ADJAN J. M. McGraw; ADJ5 R. R. Simmons; ADJAN E. A. Kessler; ADRAN D. F. Hicks; AA R. E. Hughes.

NSIA Scientists Visit Corona For Briefing

Over 100 scientists from national industrial concerns attended a day-long series of briefings at the Naval Weapons Center Corona Laboratories on Wednesday, December Circle on the Center.

The scientists, all members of the National Security Industrial Association, listened to classified briefings from both NWC and the Fleet Missile Systems Analysis and Evaluation Group relating to current work at the laboratories. The Standard ARM program was presented by H. W. Haight; M. E. Anderson spoke on Pressure-Armed Bomblet Fuzing; F. D. Maxwell discussed Night Vision Devices; and VLF Propagation Research was outlined by M. P. Hinshaw.

In the morning session, Navy Missile Capabilities, and Reliawere presented by H. R. Clark W. E. Betzer.



- Ordnance Division Officer at NAF, Lt. Kincheloe was maintenance control officer of VF-92 aboard the USS Enterprise from July 1965 to August 1968. He entered the Navy as airman recruit in October 1951 and received his commission in March 1965. He holds the Navy Commendation Medal, Navy Unit Commendation, four Good Conduct Awards, European Occupation, National Defense, Korean Service, Viet Nam Service, and United Nations medals. Lt. Kincheloe, his wife Patricia, Sandra, 14; James 11; and Tim-10. live at 44-B Sykes

Both Corona activities were presented with appreciation plaques at the noon luncheon held in the Norconian Club. Capt. Betzer accepted for FMSAEG; and LCdr. W. A. Livingston, Executive Officer. represented NWC Corona Laboratories

General Wm. L. Hamrick, USAF (Ret.), Director of the West Coast Office of NSIA presented the awards. The NSIA is a national or-

ganization of American industry composed of more than 400 manufacturing, research, and service companies. It was bility Data Exchange Programs founded by James Forrestal. the first Secretary of Defense and S. I. Pollock respectively, as a unique force for maintainfollowing an introduction to ing an effective working part-FMSAEG activities by Capt. nership between industry and government

Rasslin' Season Opener



GRUNT 'N GROAN - Burroughs High Wrestling team kicked off the wrestling season last Saturday night against Shafter in the Burroughs Gym. The locals dropped the match 25-23. Arvin Crawford is the Referee.

Ace TV Electrifies NAF, OMD

Ace TV, a team that may have the best chance at end- Graham was high for NAF ing the Loewen's Falcons four year reign as champions of the China Lake Basketball League, remained as the only undefeated team in the league as action continued through the third week. Ace won a pair of tight games last week, downing the NAF Hawks 55-54 and high for Ace with 14 points edging past OMD, 52-49. The and Bailey had 13. John Gist league leaders have now won led the OMD attack with 17 three games by a total of five points.

Tim Higgens free trrow near the end of the game made the difference in Ace's victory over the Hawks. NAF had jumped to a 9 point lead in the first half as Danny Graham hit 10 points to give the Hawks a 32-23 lead. Higgins and Ted Bailey led a second half comeback as Ace cut the margin to 3 at the end of the third period then tied the score early in the fourth. Bailev led the Ace offense with

The VX-5 Vampires rolled to their second victory, downing

22 points while Higgins had 18.

Ace outscored OMD 21-12 in

the third period in a nother

come from behind victory.

Down 24-21 at halftime Ace

went ahead by 6 at the end of

three periods with Ken Burke

leading the way. Burke was

NAF 67-37. The Vampires jumped to a 34-13 halftime lead then coasted home to move into a tie for second place. Gary Ellwanger led the Vampires with 24 points and Terry Atkinson had 12 for the

In other action, the Loewen's Falcons downed OMD 59-47 and OMD defeated the Hustlers, 66-48.



ATMOSPHERE AT YOUTH CENTER - Last Saturday's opening of the Youth Center's new coffee house, "Ichthus" was enthusiastically attended. Located in the Youth Center building behind the post office, the Ichthus serves Mocha-Sanka coffee, hot chocolate and soft drinks in an early fishing village motif. The Elijah Tillman Quartet will be on hand again Saturday, December 14, to play rhythm, blues, jazz, rock, and country-western. Entrance is by student body card; cover charge is \$1 per person and \$1.75 per couple.

Vampires Lose In Close One At Barstow

The VX-5 Vampires vented two seasons of MDISL frustration at Barstow Sunday afternoon, smashing the Barstow Marines, 51-13 in their 1968 flag football finale. Despite their eight touchdown explosion against the Marines, the Vampires could finish no higher than third in the inter-service tournament.

Twenty-nine Palms defeated Edwards AFB, 12-6, to take the first place trophy. Earlier, Twenty-nine Palms had eliminated the Vampires, upsetting the local club in overtime on Saturday afternoon.

The victory concluded a highly successful season in which the Vampires posted a 10-2-1 record. VX-5 won the championship in the China Lake Football League and finished third in the MDISL and 11ND tournaments.

A 35 yard pass completion on the final play of the game made the difference in the Vampires loss to Twenty - nine Palms. VX-5 had scored late in the third period to tie the score at 6-6 and force the overtime

Under the rules governing overtime play in flag football, each team is given a chance to move the ball for eight alternating plays. The team that penetrates into the opposition's territory is declared the winner.

After seven plays, the Vampires had driven to the Marines 18 yard line. On the final play of the game Twenty-nine Palms turned the game around on a long completion to the Vampire 32, thereby winning the game under the penetration rule.

The Marines had scored first in the closely contested game, moving 65 yards in 5 plays to take a 6-0 lead. Midway through the third period Terry Atkinson intercepted a pass on the Marine 18 and went in for an apparent touchdown, but a clipping penalty at the 3 moved the ball back to the 18. Two plays later a pass interference call gave VX-5 a first down on the 1, then John Shivers went around the left side to tie the score.

Late in the game the Vampires scored on a sensational 77 yard run by Jim Prophet The Marines managed to threaten once late in the game, moving to the Vampire 15 yard line where they ran out of downs. VX-5 had moved back to their own 35 yard line when time ran out.



ATHLETE OF THE MONTH



ADRI PETER KOPF

China Lake's Athlete of the Month for November is ADR1 Peter Kopf of the Naval Air Facility. Kopf was a member of the Navy Rifle Team that recently won the annual National Trophy Rifle Team Match at Phoenix, Arizona.

The Navy finished first in a field of over 50 military and civilian teams, posting their first victory in the 30 year history of the Match. Kopf was the number two man on the Navy squad, finishing with a 485 out of a possible 500 points. He also finished second on the 1000-yard service rifle competition and second on the aggregate.

The victory by the Navy team was considered to be one of the biggest upsets in the history of the matches. Kopf's performance, in fact his presence on the team, was even more startling when you consider the fact that this was his first year of actual rifle competition.

Under the rules set forth for the National Trophy Match's at least one new man must be added to the competing teams each year. Kopf began the season by winning matches at the Naval District level, then went on to qualify for the team at the finals in Annapolis. To draw a parallel, the achievement was roughly the same as a football player moving from intramural ball to pro football in one season.

Although this was his first year in top competition, Kopf is no stranger to the rifle range. Now 28, he has been shooting for 24 years.

After the long season that ended successfully in Phoenix, the North Hollywood native sees no reason to take a vacabut once again the TD was tion. He was off on another trip this week to compete in an nullified by a major penalty. open match at Camp Pendleton, which he hopes will be the first step toward another trip to the Nationals.

Friday Foursome Tops Scoring

ors. Other top scores included Coleman at 216.

team game with 993 while Mer- Cynthia Schoenhalf 206-509.

The spotlight was on the Fri- cury Movers had a team seday Foursome once again as ries of 2736. Jim Peck led the the top scores for the men and way in the individual scores ladies were posted in the mix- with 223-204 and 609 while ed league. Royce Dowd led the Bobby Lockwood hit 240-212 ladies with 233 and 567, the and a 603. Benny Whiteside 233 being the third highest had high game with 246. Bobsingle game for the ladies this by Kochman hit 227 and Al year. Ray Freascher led the Hebert and Ken Dalpiaz each men with 236-618 to take sin- had 224. Other scores includsingle game and series hon- ed Don Tucker 226 and Maury

Maggie Branson 211-560; Dar- Patty Maxwell led the Wolene Herbstreit 205-549; Jack men's Monday Scratch League Leininger 224-211; Jim Ball with 533 while Jean Crom was 214 and Floyd Maxwell 213. next with 224-525. Charlotte In the Premier League, NWC DeMarco had 213-522, Dorothy moved into first place by one- Klamt rolled a 522 and Sanhalf game over Tom's Place as dy Smith had 209-521. Among the tight race continued, the leaders were Dotty Dun-Boyd's Auto Parts had high can 521; Lee Fox 206-515; and

UCLA Extension Courses Will Continue To Be Offered Here

semester, 1969.

Friday, December 13, 1968

Extension courses which

Engr. XL 110A, Passive Network Synthesis, (W. F. Ball). imation methods.

Text: Havony, Elements of Network Synthesis (Reinhold;.

Engr. XL 192B, Mathematics of Engineering, (G. A. Hewer), Beg. 1-76-9, 4:30 p.m. Applications of mathematical methods considered. Elementary theories and methods of linear partial differential equations are Code 0151 as soon as possible. presented. Basic techniques in solving boundary value problems involving potential, heat and wave equations are emphasized.

Text: Pipes, Applied Mathematics for Engineers and Physicists, (McGraw-Hill).

Engr. X 402.1 Introduction to Aerothermodynamics, (A. N. Thomas), Beg. 1-6-69, time to be announced. A study of subsonic, supersonic and hypersonic fluid dynamic processes occurring in rocket and airbreathing propulsion devices. This course is designed to provide both a fundamental understanding of the phenomenon involved as well as the capability of solving practical engineering problems.

Text: Shapiro, The Dunamics and Thermodynamics of Fluid Flow, Vols. I & II, (Ronald Press).

Engr. X 463.7, Calculus Review for Engineers and Physicists, (S. M. Lee), Beg. 1-6-69, 4:30 p.m. This course is designed for engineers and scientists who have had a basic course in calculus. It is a refresher course that will stress basic concepts and applications. A working knowledge of trigonometry, plane analytic geometry, and college algebra is required.

Text: Thomas, Calculus and Analytic Geometry, (Addison-Wesley).

7-69, 6:45 p.m. Interpolation and approximation, numerical differentiation and integration, solution of nonlinear equations, error analysis; numerical methods in linear algebra; numerical methods in ordinary differential equations.

Text: Ralston, A First Course in Numerical Analysis, (Mc-Graw-Hill)

Physics XL 140A, Solid State Physics, (J. E. Fischer), Beg. 1-6-69, 4:30 p.m. The study of the nature of the crystalline solid state of matter. Electrical, magnetic, thermal, optical and other macroscopically observable behavior of metals, insulators and semiconductors discussed with respect to contemporary understanding of the microscopic processes underlying this behavior.

Texts: Kittel, Introduction to Solid State Physics, (Wiley);

University Extension classes Mott and Jones, Principals of under the auspices of UCLA Theories of Solids, (Oxford); will continue to be offered at Zyman, Theory of Properties NWC supplementing the USC of Metals and Alloys, (Cam-Graduate Program which is bridge). The last two texts scheduled to begin spring are recommended only, not re-

Scientific German, X 800, have been scheduled for the (Jill Rindelaub), Beg. 1-6-69, winter quarter are as follows: 4:30 p.m. A functional approach to the study of German, designed for graduate stu-Beg. 1-6-69, 4:30 p.m. Review dents who are preparing for of Laplace transforms and the German reading examinapole - zero representation. A tion, as well as for engineers comprehensive survey of mod- and other specialists who wish ern techniques of driving point to read and understand Gerand transfer function synthes- man scientific and technical is. Introduction to active net- materials. Includes basic elework synthesis and to approx- ments of phonetics and gram-

Text: To be announced. Registration for these classes will be held in Room 1004, Michelson Lab, January 6 through January 10, 8 a.m.-12 noon. The Course Enrollment to engineering problems are Form (11ND - NOTS-12410/28) should be completed by prospective students and sent to

> Tentative plans for spring quarter include Scientific French, Advanced Airbreathing Propulsors, a seminar in cloud physics, and Linear Systems Solutions by Transform Methods which will be followed in the fall by Introduction to Linear Control and Systems.

The Education Director, Code 015, invites comments and suggestions pertaining to course offerings. Since the USC program will be limited to courses leading to the Master's degree in Electrical Engineering and Mechanical Engineering, other subject areas, such as physics and mathematics, as well as specialized, project oriented courses will be covered by University Extension. It is the desire of the Education Director to make these offerings as relevant to the Center's needs as possible, and this can be done only to the extent that

Dental Dept. To Administer Fluoride Agent

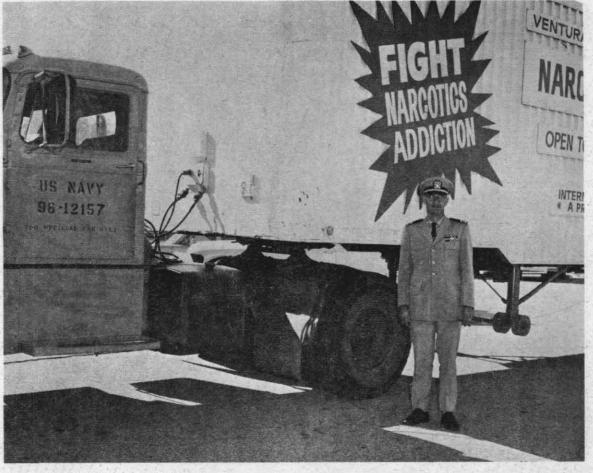
these needs are made known.

The Center's Dental Department will administer the Navy's three - agent stannous fluoride treatment to military Math. BL 140A, Numerical and retired military dependent Analysis, (J. J. Zenor), Beg. 1- children, six years of age and older, during the period December 23, 1968 through January 2, 1969.

NWC Notice 6620, mailed to all active duty personnel, contains complete instruction on the treatment. Copies of the instruction may be picked up at the Dental Clinic's appointment desk in the Center Dispensary.

The three - agent stannous fluoride application consists of polishing with a paste rubbed over the teeth by a small rubber cup, followed by a topical liquid rubbed over the teeth with a cotton swab, and the third and most important step of the treatment is daily toothbrushing after ever meal.

The Dental Department urges all qualified personnel to take advantage of this outstanding decay preventative treatment.



DRUG EXHIBIT - LCdr. W. A. Livingston, Executive Officer of Naval Weapons Center, Corona, stands by the Narcotics Exhibit Van during its brief stop in the Lab's parking lot. The van, a product of the Nar-

cotics Prevention Association of Ventura County, contained a display and pictoral story of LSD, marijuana, opium, heroin, etc. Corona participated in the project by furnishing a Navy tractor to haul the van.

Implementation of Military Justice Told

When President Johnson signed the Military Justice Act of 1968 October 24, he said the new law made many changes "to streamline the system, and to safeguard the service-

Also, he noted that the bill, H.R. 15971, gives the serviceman first - class legal service and that it "goes to the root of the system they defend for all of us - the right of every citizen to justice and fairness un-

Since October 24 the Military Justice Act of 1968 has become Public Law 90-632. The act goes into effect on August 1, 1969, with the exception of two sections dealing with appellate review which alreaservices are preparing to im-

plement the act. The Manual for Courts-Mar-

tial is being rewritten by a committee of lawyers from the military services to implement the act. Their work will be completed when the law becomes effective.

Navy and Air Force will implement certain parts of the Military Justice Act of 1968 by regulation to suit the needs of his particular service. But these manual changes and regulations are not to be confused with those which will become effective on Jan. 1, 1969.

President Johnson on Sept. 11, 1968, signed Executive Order 11430, prescribing the "Manual for Courts - Martial, fective date of the new manu- Military Justice Act of 1968.

al was set for Jan. 1, 1969. The new manual has the same basic arrangement as the Manual for Courts - Martial, 1951. One difference is that some of the paragraphs in the new manual have been further subdivided for better understanding and indexing of The Secretary of the Army, the subject matter, but for the most part the paragraphing in

the new manual parallels that The new manual and regulations going into effect Jan. 1, 1969, were written to bring up to date the rules covering the administration of military justice in accordance with court decisions since the last

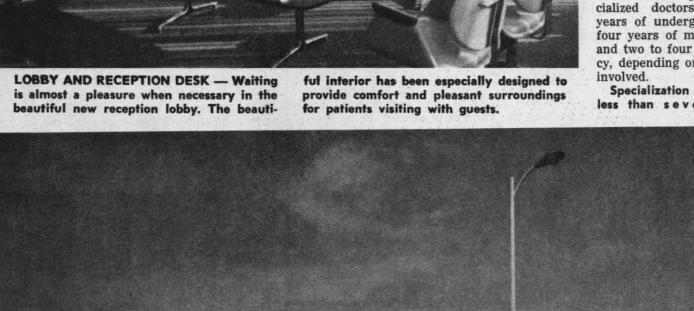
The new manual does not take account of the changes dy are in effect. The military United States, 1969." The ef- made in the UCMJ by t e



COURT OF HONOR - At Boy Scout Troop 801's recent court of honor the scouts were honored as follows: kneeling (I-r) Billy Benson, advanced to second class; Steve Banker, 1-yr. service pin; front row (I-r) Bland Burchett, 1-yr. service pin; Gary Bennett, merit badge; Jeff Young, badge of office as assistant patrol leader; Casey Wack, new tenderfoot; Fred Whitfield, Mike

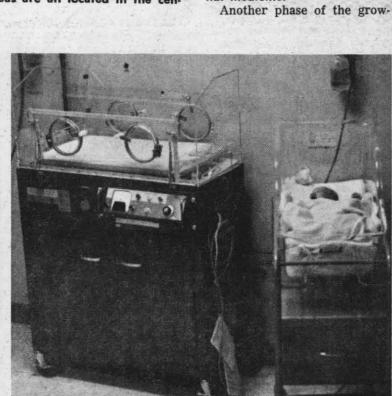
Thorsted, merit badges; Mark Oakes; back row (I-r) Dale Daley, 1-yr. service pin; Pat Boyle, advanced to first class; Pat Lilly; Baxter Canfield, merit badge, and warrant of office as junior assistant scoutmaster of Troop 801; Ken Whitfield, advanced to Star and merit badge; Harold Orders, badge of office as assistant patrol leader. The ceremonies were held at the local clubhouse.

four-acre site.



THE NEW 50-bed Ridgecrest Community Hospital is believed to be one of the most efficient hospital designs yet conceived.

Nurses, doctors and service areas are all located in the cen-



at the Ridgecrest facility.

Modern Medical Facility Serves Indian Wells Valley Residents

(Continued from Page 1) air and sunlight. The 38,000 square-foot structure is on a

The hospital's unique design and multi-use of color makes it an attractive landmark on China Lake Blvd. The gailycolored panels on the building's exterior are continued inside the patient rooms. A total of 11 different colors are utilized within the building, with five of them decorating each bedroom.

Doctors "Board Certified"

As in all hospitals, Ridgecrest Community's doctors are rated as per their specialization and/or experiences. Specialized doctors have four years of undergraduate work, four years of medical schools, and two to four years residency, depending on the specialty

Specialization requires no less than seven years and

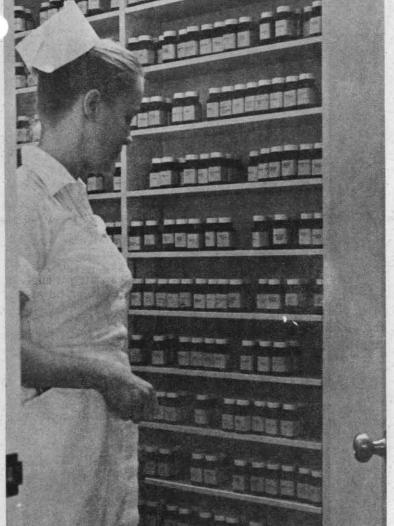
The term "board certified," established by the individual societies, is one of the highest honors in the profession. It is earned by a doctor who completed his residency, practised a prescribed number of years at a specialty, and then passed the written and oral tests of the reviewing committee. At Ridgecrest Community, seven of the 15 doctors are "board certified," and three are eligible for certification. This representation is rarely seen in such medium - sized facilities. The laboratory, adequately staffed and equipped to test for diabetes, gastric analysis, urinalysis and parasites, is aug-

mented by the pathological assistance from Jennings Laboratory of the Long Beach Memorial Hospital, an associate. If additional analysis is necessary on cancer, tumors and tissues, the answer is available usually in 24 hours. The Ridgecrest Community Hospital's radiological department is recognized as one of

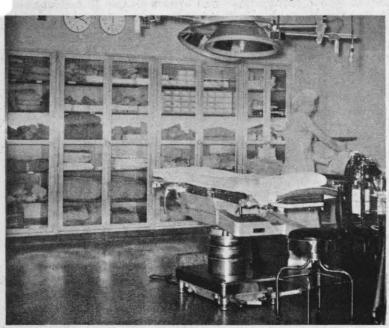
Friday, December 13, 1968

the nation's finest. Dr. Hillard Green is a "board - certified" medical doctor with specialized training in radiology and nuclear medicine. The Magnascanner equipment can determine tumors in brain, thyroid, liver and kidney. The Planagram takes three-dimension xray pictures that can be shot at specific depths within the body. The x-ray department also includes a rapid film changer with a capacity of six radiographs-per-second, and film processors which can develop the radiographs in 90 seconds. If need be, the doctor can evaluate the problem on film while the patient is still on the x-ray table.

There are three large operating rooms plus a "delivery" room for the mothers. The staff has been organized to cover the greatest demands in medical cases, including routine general surgeries, specialized surgery or obstetrics, gynecology, pediatrics and inter-



PHARMACY SUPPLY - Every known pharmacological ingredient is kept on hand and carefully checked at the new hospital. Shown above, a nurse checks the supply to fill a prescription that has been ordered by a doctor.



SURGERY — There are three operating rooms in the new building: One for major surgery, one for minor surgery, and a special facility for emergencies.

ing medical needs of the area duced that the total costs apwill be met when the new long-term care unit is added next year. This 26-bed rotunda will be built onto the northwest sector of the Ridgecrest Community Hospital building. Construction is due to start in

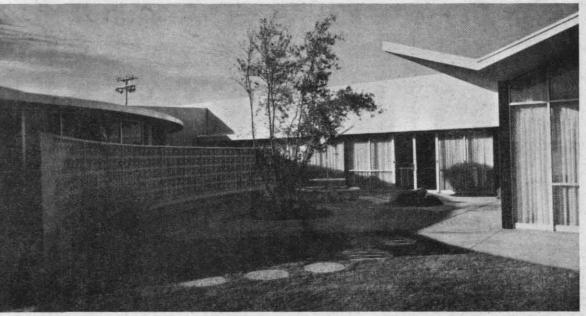
March or April, 1969. Costs Contemporary

Contemporary hospital costs are compared by the staff with those of bygone days. It was pointed out that, despite the ost modern equipment, and medical profession, hospital "stay" time has been so re- babysitter.

proximate the old cost figures!

An institutional survey of 18 hospitals in Southern California revealed that the \$46.50 room rate for private room at the Ridgecrest Community is 15 per cent lower than the \$55.00 average. Los Angeles hospitals were not included because their rates were so much higher than the average.

Hospital staffers indicated that a breakdown of the \$46.50 ethods and procedures of the rate amounts to only \$1.90 per hour. This includes a private "stays" currently cost no more room with bath, TV, and all than they did years ago. Then, the other conveniences, plus a patient might pay \$20 per a Registered Nurse in constant day for a 15-day stay in the attendance. This figure is comhospital. Now, even with infla- pared with the \$.75 to \$1.00 tion and increased costs, the per hour one pays today for a



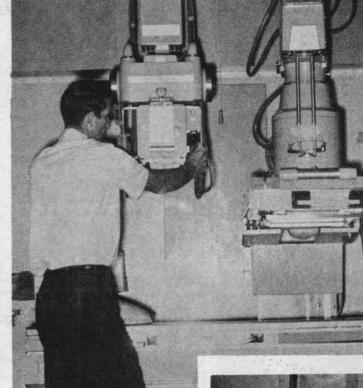
PLEASANT PATIO — The novel arrangement of the new building allows patients

to occupy rooms that are exposed to natural



MEDICAL STAFF - Seven of the 15 doctors that are available at Ridgecrest Community Hospital are "Board Certified." Ten of the doctors that serve the hospital are pictured above. From left to right, they

are: Dr. Dennis Welcome, Dr. Thomas A. Drummond, Dr. Thomas Fauble, Dr. Georg Daiber, Dr. William McBride, Dr. Robert Gilmer, Dr. Peter Pinto, Dr. Harvey Grady, Dr. David Jahsman, and Dr. Harold Mills.



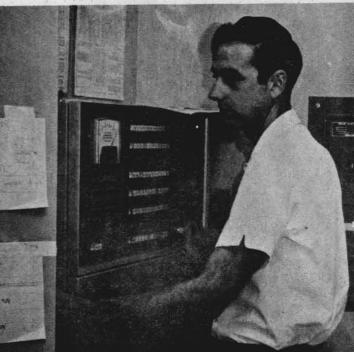
diets are prepared three times daily in the new kitchen facilities.

KITCHEN - Five different



X-RAY TECHNICIAN - Jim Hess, radio technologist, (r) operates push button console, while (above) he is shown adjusting the new Radiological equipment. With this gear, 3-dimensional pictures can be shot at specific depths within the body.

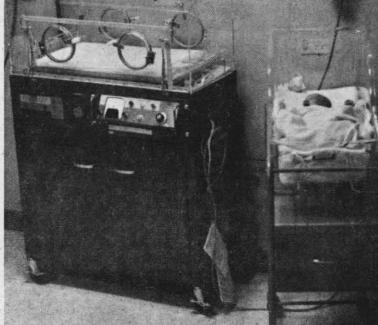
Photography by: PH2 D. E. Hart PHAN M. F. Krause





NURSES' SERVICE DESK — Located in the Desk makes accessibility to patients' needs center of the rotunda, the Nurses' Service

more efficient and rapid.



NURSERY — Through the years, 12,000 babies were born