



OREGON EDUCATORS VISIT—Fifty-four Oregon elementary, high school, and college teachers added to their Aerospace IQ and knowledge of the Station's research and development during a three-day Aerospace Workshop conducted

here this week. It is the ninth consecutive year that director Ray Haas, at extreme right, has brought the Oregon State System of Higher Education sponsored Workshop to China Lake. Group toured Edwards and Vandenberg.

Revised Chemistry Course Announced by USAFI

Madison, Wis. (AFPS)—The United States Armed Forces Institute has announced the availability of a revised course in chemistry.

Chemistry I is a non-labora-

tory course designed to provide the student with the basic concepts and relationships appropriate to introductory modern chemistry.

CROSSWORD PUZZLE

ACROSS

- 1-Household pet
- 4-Narrow stripe
- 9-The urial
- 12-Man's nickname
- 13-Caudal appendages
- 14-Move from side to side
- 15-Lutlike musical instrument
- 17-Wooden pin
- 19-Delude
- 20-Moroccan
- 21-Quadruped
- 23-Played on
- 26-Leave out
- 27-Make amends
- 28-Railroad (abbr.)
- 29-Swordman's dummystake
- 30-Mix
- 31-In favor of
- 32-For example
- 33-Trans-actions
- 34-Failure (slang)
- 35-Piece of needlework
- 37-Journeys
- 38-Slippery
- 39-Mend with cotton
- 40-Apostles' Creed
- 42-Condiment
- 45-River island
- 46-Express gratitude
- 48-Before
- 49-Genus of cattle
- 50-Locations
- 51-Ethiopian title

DOWN

- 1-Headgear
- 2-Hindu garment
- 3-Twining leaf
- 4-Mine excavation



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SHOWBOAT

FRIDAY JULY 30

"TOWN TAMER" (89 Min.)

Dana Andrews, Terry Moore

7:30 p.m.

(Western in Color) No synopsis available.

Short: "Bride and Gloom" (7 Min.)

"Sports, Wacky and Wet" (8 Min.)

SATURDAY JULY 31

—MATINEE—

"THREE STOOGES IN ORBIT" (87 Min.)

1 p.m.

Short: "Calling Dr. Magoo" (7 Min.)

"Monster and Ape No. 11" (19 Min.)

—EVENING—

"APACHE GOLD" (90 Min.)

Lex Barker, Marie Versini

7:30 p.m.

(Western in Color) Railroad engineering expert heads construction gang until route violates treaties with his Indian friends. He then joins them in battle against the renegades who wish to destroy the railroad and find the hidden Apache gold mine. (Adults and Mature Youth)

SUNDAY-MONDAY AUGUST 1-2

"JOHN GOLDFARB,

PLEASE COME HOME" (96 Min.)

Shirley Maclaine, Peter Ustinov

7:30 p.m.

(Comedy in Color) Wild, rollicking farce about a pretty magazine writer who smuggles herself into an Arabian monarch's harem (to do a story) and of a "wrong-way" U2 pilot who is forced into producing the monarch's football team because his son was rejected by the Notre Dame squad. It's about the wackiest comedy of the year. A treat. (Adult)

Short: "Weather Magic" (7 Min.)

TUESDAY-WEDNESDAY AUGUST 3-4

"CHEYENNE AUTUMN" (145 Min.)

James Stewart, Carroll Baker, Richard Widmark

7:30 p.m.

(Super Western in Color) The dramatic and adventurous tale of a large group of Cheyenne men, women and children who start a 1500-mile trek to their former homeland in the Northwest. Their flight panics all in Dodge City except "Wyatt Earp" Stewart. Clashes within the tribe and with the cavalry highlight this epic drama of adventure. (Adults, Youth, Mature Children)

THURSDAY-FRIDAY AUGUST 5-6

"THE AMOROUS ADVENTURES OF MOLL FLANDERS" (115 Min.)

Kim Novak, Richard Johnson

7:30 p.m.

(Comedy in Color) Naughty, but nice, tale of a buxom orphan whose ambitions progress her from man to man, sometimes for security and often for love. Spicy fun only for... (Adults).

'South Pacific' Is Roundup Of Valley's Finest Talents

By JOHN R. McCABE

In its first few months of active play-making, the Community Light Opera and Theatre Association has attracted, drilled and sewn together in successful productions a very impressive array of dramatic and musical talents. Great and small, developed and nascent, smooth and rough — they were all marshalled to give "South Pacific" a rolling, jouncing momentum for the first days of its six-day run.

Jack Lawson and his co-workers have done an impressive job of organizing and sparking the effort. He'll be greatly missed here, as he leaves for Coalinga in western Fresno County to take on Coalinga College's theatre efforts, but it's highly unlikely that the Indian Wells Valley players will settle down to a lower pitch of activity after this week.

That pitch of activity was twofold among the players, as "South Pacific" began its schedule last week. It appeared most noticeably in the forms of polished talent and of enthusiastic energy, both making the show a hit.

Much of the polish and developed talent was provided by Wayne Carpenter, as Emile deBeque, and Willie Miller, as Bloody Mary; the well-directed and effective enthusiasm by the members of the sailor chorus, especially by the irrepressible Billis (Stephen Lee). At least, that's the way it seemed from the rear of the Burroughs High School auditorium, without benefit of inside dope.

The musical got off to a leisurely start Friday night, July 23, but got a big jolt of current by the sailors as they came on headlong singing "Bloody Mary." Everyone's work benefitted from this infusion of energy, including that of Patti Pope, as Ens, Nellie Forbush, and George Linde, as Lt. Joseph Cable. Linde's voice unlimbered, Miss Pope's output increased — and both remained at moderately high levels throughout the evening.

As usual, costumery was good, sets were of polished

quality and stage effects — especially the appearance of the Bali Ha'i islanders behind a sheer curtain in the first act — were inspired.

The pit orchestra — a necessity for this production — was fair, but showed that it deserves many opportunities to work with Theatre Association productions, and develop proficiency.

Last Two Performances

"South Pacific" holds forth tonight and tomorrow night at 8:30 p.m., a mine — heavily salted, admittedly — of a wide variety of dramatic nuggets. It is a kind of feast, too, and anyone who doesn't take a seat at it for an evening is cheating himself.

And as for director Jack Lawson — what an exit!

COM Calendar

Helen Fletcher and Doris Valitchka will soon be telling you about the **BIG ONE** that they have planned for you Saturday evening, August 21st. Something that you will really look forward to... an evening to be enjoyed by all.

Family Night Dinner is still being served every Tuesday evening and we hope that you are among those taking advantage of this evening where the emphasis is on special attention for the kiddies.

And **Sunday Buffet** on the Lanai will continue through August. The response has been tremendous and no wonder... the fare is first-rate! Martini Club on Thursday evenings will be discontinued as of this week.

Pat Shannon

TEMPERATURES

	Max.	Min.
July 23	98	67
July 24	98	73
July 25	99	69
July 26	95	67
July 27	98	62
July 28	102	67
July 29	97	76

'Fish' with Funny Names Invading Hidden Depths

New York (AFPS) — Sea monsters and submarines will soon find their privacy invaded by a horde of strange-shaped, funny-named and unmanned vehicles that are about to plunge beneath the hidden depths of the oceans.

Man has spent billions to get out of this world, but he has budgeted little to search beneath the ocean surface. Now that is changing. Names like Rum, Alvin, Mobot, Mermut II and Moray are used for submersible craft now being developed in the United States.

Rum, an unmanned Remote Underwater Manipulator, performs controlled work of observation, collecting samples and assembly and installation of deep bottom mounted instruments for Naval research.

A mechanical, remote controlled deep-sea diver, Mobot, an unmanned submersible, is lowered to the bottom of the sea by cable, where it rests on three feet which are adjustable in height. It has two arms which are capable of simultaneously holding and operating a rivet gun and a welding torch.

The Mermut III, another unmanned surveillance and recovery vehicle has a maximum operating depth of 1,200 feet.

Alvin, a manned submersible is a steel hulled vehicle which must operate from a mother ship. It has a depth capability of 6,000 feet and is equipped with a mechanical arm and can be used for salvage as well as oceanographic research.

MORAY

Moray, another manned submersible, has an operating depth capability of 2,000 feet now and can be modified to reach 6,000 feet.

The reasons for increased interest in oceanographic research are many. Oceans, which formerly acted as barriers, for our protection may now hide platforms armed with nuclear weapons.

Oceans also affect weather. If weather controls become possible, it will be the result of an understanding of ocean temperatures and currents.

Also, as the population of the United States increases man looks to the sea for food.

Navy's Best Messes Win Annual Award

New York (AFPS) — The three first place winners in the 1965 Ney Memorial Awards Program for the best messes in the Navy have been announced.

The Great Lakes Naval Training Center took the best mess ashore title while the aircraft carrier USS Oriskany was selected as having the best large mess afloat and the cargo ship USS Skagit was named as having the best small mess afloat.



Vol. XX, No. 30

NAVAL ORDNANCE TEST STATION, CHINA LAKE, CALIFORNIA

Fri., July 30, 1965

SEALAB II Christened — Readied For Depths



WITH CHAMPAGNE IN HAND, Miss Heidi Nitze, daughter of the Secretary of the Navy, stands at the "bow" of Sealab II, ready to christen the deep-submergence

laboratory at the Long Beach Naval Shipyard. Robert W. Morse, Assistant Secretary for R&D, led the event.

—Photo by Ralph Robey PH2

NOTS Gives Full Support to Man-In-Sea Project

The traditional bottle of champagne, enthusiastically wielded across the domed-shaped bow of SEALAB II by Miss Heidi Nitze, inaugurated the Navy's second experimental phase of "the most extensive test yet of man's ability to live and work in the ocean depth for long periods of time."

Miss Nitze, daughter of the Honorable Paul H. Nitze, Secretary of the Navy, christened the unique vessel last Friday at the Long Beach Naval Shipyard in the presence of several hundred military and civilian dignitaries and press representatives.

Secretary Morse Speaks
Speaking on the progress of the Navy's Deep Submergence Systems Program, the Honorable Robert W. Morse, Assistant Secretary of the Navy for Research and Development, said the dedication of SEALAB II represents an important stage in the transition from pioneering exploratory research to the achievement of a significant operational capability of national importance.

Secretary Morse also called attention to the progress the Naval Ordnance Test Station's deep submersibles program is attaining through manned operational dives of two experimental vehicles, MORAY and DEEP JEEP.

SEALAB II is essentially a non-propelled, sea-going craft designed as a pressure vessel, 57 feet by 12 feet, cylindrical in shape. It is self-contained with respect to food and breathing gas for a period of two weeks.

Shore Connections
Electric power and fresh water will be provided by lines from shore, backed up with alternate sources from the surface support craft. Shore connections will also provide channels for relaying underwater television, communication circuits, and data links.

Under the leadership of Cdr. M. Scott Carpenter, famous astronaut, on loan from NASA a group of two diving teams (aquanauts) of ten men each — mixed military and civilian personnel — will occupy the undersea house for periods of 15 to 30 days.

SEALAB II will be placed on the north edge of the

(Continued on Page 4)

Alaskan Waters Yield Data

"It must be the world's worst climate," says Dr. David W. Scholl of the waters west of Alaska, "but in spite of adverse weather, our two teams from NOTS were able to produce a great deal of useful information. In fact, both Von Huene and I wish we could have taken weeks' more time in that area."

The two parties of scientists from the Earth and Planetary Sciences Division of Research Department spent six weeks cruising the Gulf of Alaska and the Deep and Shallow Bering Seas in the 200-foot oceanographic research ship, USS Davis.

Dr. Ronald Von Heune's group, consisting of himself, Jack R. Lovett and Charles F. McFarlane, left China Lake on

June 8 to meet the Davis at the mainland port of Kodiak. Dr. Scholl and Earl E. Beasley left here June 26 to relieve the first group at the Aleutian port of Cold Bay, and later take on Dr. David M. Hopkins of the U.S. Geological Survey and Dr. Thorleifur Einarsson, geologist of the University Research Institute of Iceland. Edwin C. Buffington shared the shipboard studies from the Naval Electronics Laboratory in San Diego, the voyage's co-sponsor.

Storms Hamper Work

"The first week out, we were clobbered by two storms and lost quite a bit of time, said Von Heune. "We had 35 to 40-knot steady winds, 20-foot swells, and ten-foot waves breaking over the boat deck

at times. But we made up time thereafter, and came across quite a bit of heretofore only suspected relations."

He listed as major findings in the area information on the fault zone from which most of the Good Friday earthquakes radiated in 1964, new information on the margin between the continental and sea-floor crusts and acoustic properties of sea-floor materials, of possible civilian and military use.

"Many of our finds may limit some widely held theories or suggest modifications," he continued. "For example, we found that the so-called Kodiak Seamount, an undersea mountain once supposed to have been planed flat by sea

CHAPLAIN'S MESSAGE

Spiritual Drop Outs

By CHAPLAIN JOHN L. SOSTRICH



"Where are you working these days?" — "I'm not." — "What happened?" — "Flunked a couple of subjects and quit school. If I had a diploma from Central Catholic, I'd have a good job today."

This young man is a high school drop-out. Why? Because he didn't have sufficient talents? No. He frankly said: "It was my own fault. I wouldn't listen to anybody. Now I regret it."

WHAT HAPPENED?

We're alarmed about the hundreds and hundreds of high school drop-outs. We should be. But this boy was first a spiritual drop-out before he became a high school drop-out. This is our problem. Spiritual drop-outs have lost their idealism, rebelled against authority and let themselves be mentally pushed around by half truths. We're plagued with countless numbers of such people in every strata of society.

WHAT ABOUT GOD?

Almost fifty percent of our American people have no church affiliation of any kind. On the ordinary campus God and religion don't seem to be worth mentioning. God isn't an issue at all. God is ignored.

MOCKERY OF MARRIAGE

In a county of one of our States for every 100 marriages performed 89 divorce proceedings were started. Talk about pockets of poverty! This is spiritual slum crowded with spiritual drop-outs. The sacredness and permanency of marriage is the heart of our home-life and of our nation. We have heart trouble because we have home trouble.

What about a high school girl standing up in class saying: "Father, you're too strict. You have to allow a boy a few privileges on a date even though your conscience bothers you afterwards. If you don't, you won't get a boy-friend these days!" Cheap thinking! She was taught higher ideals.

NO ROADBLOCKS

A mother scolded the pastor for not sponsoring grade school dances. The priest cautioned the mother to hold her daughter back and allow her to grow up gradually. She would not listen but insisted, "My daughter is going to date and dance and be an all-American girl. And no priest is going to stand in her way."

LEAVE US ALONE

Spiritual drop-outs have cancer of the conscience. They do as they please. They offer Christ only lip service. They talk a good game concerning integration; tell any kind of a joke or story; rebel against limitations in reading and entertainment; wear as much or as little as they like. In general, the spiritual drop-outs are everybody's problem. There's work to be done to reclaim these wandering sheep.

Social Security Rep. At Community Center Wednesday, August 4

All China Lakers with questions about Social Security provisions may contact a representative from the Administration here Wednesday, August 4.

He will be at the Community Center from 8:30 a.m. to 11:30 a.m., and available for consultation.

ALL-STAR GAME

There will be an all-star game Friday night, July 30, at 8 p.m. at the Beer Hut Diamond between the Military All-Stars and the Civilian All-Stars..

LET'S ALL TURN OUT!

The largest scientific satellites put into orbit by NASA, so far, are the Pegasus I and II. They have wing-like panels extending 96 feet to register meteoroid impacts.

PROMOTIONAL OPPORTUNITIES

Mail and File Clerk, GS-4, PD 225013, Code 2505 — Receives and distributes incoming mail for Supply Department, reviews and processes out-going mail; acts as custodian for classified material; maintains correspondence and records files. File applications for above with Pat Dettling, Bldg. 34, Room 28, Phone 72218.

Mechanical Engineer, GS-9 or 11, PD 445064, Code 4531 — Incumbent will design and develop test stand, handling gear and mechanical items for the sion systems.

Mathematicians, Physicists, Mechanical or Aerospace Engineers (several vacancies), GS-7 thru 12, Code 451 — To work in Systems Analysis Branch of Advanced Technology Division. Programs involve effectiveness studies of airbreathing engines and solid and liquid propulsion, and definition of areas for future research and development.

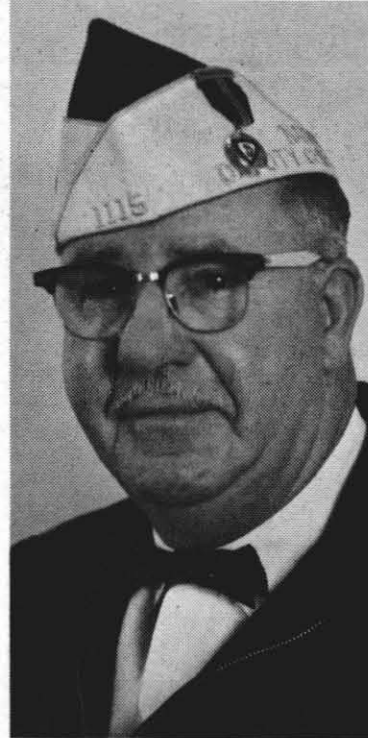
Mechanical Engineers — Aerospace Engineers (several vacancies), GS-7 through 12, Code 457 — To work in the Propulsion Components and Engineering Projects branch of Propulsion Systems Division.

Ordnanceman (Ammunition & Explosives — Miscellaneous), WB 65002-08, JD 4-1, Code 4552 — Receives, segregates, moves, stores, groups ammunition and components including explosives; maintains surveillance for deterioration and hazards.

Machinist (Maintenance), \$3.34 - \$3.48 - 3.62 per hour, Code 4553 — Installs, overhauls, maintains and repairs machines and machinery installations such as machine shop equipment, ordnance plant processing equipment and machinery, laboratory equipment and machinery, boiler plant accessory equipment and extrusion presses and accessory equipment. File for above with Betty Fowler, Bldg. 34, Room 26, Phone 71648—Deadline for applications is August 5.

A competitive promotional examination is announced for Shop Planner (Public Works), Announcement No. P-NOTS-IVa-9(65). Applicants must be Career or Career-Conditional employees of NOTS, China Lake or Pasadena, Calif.

File Card Form NAVEXOS 4155-AB and Standard Form 57 with the Personnel Division, Code P-659, Pasadena, California.



ELECTED Judge Advocate for Veterans of WW I's California department is Stan S. Mutchler, veteran employee at Code 45. Deputy Nat'l Chief of Staff was elevated at 12th annual convention July 7-10, San Jose.

DIVINE SERVICES

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

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

Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 5:30 p.m. Sunday, 6 a.m., Monday through Friday; 8:30 a.m., Saturday.

Confessions—8 to 8:25 a.m., 6 to 8:30 p.m., Saturday; Thursday before First Friday, 4 to 5:30 p.m.

NOTS Jewish Services (East Wing All Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—For information about meetings, write P.O. Box 5674, China Lake.

'Pop' Lofinck Chalks Up Two Decades at NOTS



"POP" LOFINCK, the Desert Philosopher, takes time out from toiling on his weekly column to accept a NOTS 20-year pin from "J" "T" Bibby, Public Information Officer.

Over three-score and ten years ago the morning quietness of the small town of Manhattan, Kansas, was broken by the lusty squalling of an infant. The whole town heard him. People still do. The booming resonant quality of his voice still startles strangers like a SNORT firing or the rumble of a mid-western thunder storm.

The infant son with his vocal trademark born to Ella Katherine, an accomplished musician, and Reuben Edward Lofinck, owner of a general store, was christened Sewell. Reuben was one of the two first graduates of Kansas University. His mother was a music college graduate.

The hill-born boy was destined to become a successful fur trapper and self-supporting at the age of 14. Later in life a surveyor, an examiner of mineral claims, a real estate broker, "commercial traveller" (a refined version of a travelling salesman by Pop's definition), an aviation mechanic, a roving range guard for 15 years, now a writer and self-styled "desert philosopher."

CLIMBED PIKE'S PEAK AT 12

Bitten by the wanderlust when he climbed Pike's Peak at the age of 12, and after a successful season of trapping he set out for the Lewis and Clark Exposition at Portland, Oregon, at the age of 15.

Oregon and Washington had too many trees to suit the youth so it was back to Kansas. Home again, he joined a Department of Interior exploration party in 1912, which brought him to his beloved desert.

COMES TO BRAWLEY

The party's job was ascertain the authenticity of the Mexican survey landmarks in the Imperial Valley near Brawley. If they weren't correct, the party obliterated them.

The financial "bust" of 1929 sent Sewell back to the desert to prospect for industrial metals where he has remained ever since.

He came to NOTS as a material inspector at the Pilot Plant in 1944 and shortly thereafter became NOTS range officer with his headquarters at Junction Ranch where he patroled the 1700 square miles of the Station for 15 years.

In September, 1962, "Pop" was assigned to the PIO Office where he began and continues to write his weekly Rocketeer column based on years of accumulated observations and experiences of a man unfettered by convention.



LAW OF THE NOTS RANGES — "Pop" poses by sign, whose warning he enforced with Kansas tenacity for over 15 years in guarding NOTS' 1,700 square miles of ranges from intruders, and the intruders' safety.

Area Champs to District Tourney Tonite

Barstow Takes 1st Pony Game

In the first of a three-game series, the Barstow Pony League All-Stars downed the Indian Wells Valley Pony League All-Stars Wednesday night, July 28, by the score of four to one.

Barstow was led by the 15-strikeout pitching of Floyd Hurndon and the four-hit slugger of his teammates. Hurler Marc Smith suffered the loss for IWV, giving up four hits.

Heavy Hitters Perform

There wasn't much action for the first and third basemen, with Hurndon, Mike Evans and Finis Messick grabbing two-base hits. The fourth run came when Hurndon singled, stole second and came home on Messick's double.

The heartbreak of the night came when Sam Gee hit a pitch out of the park, but was called out when he failed to tag home. Catcher Don Robinson got IWV's only run when he walked, took second on a wild pitch, then stole home.

INTRAMURAL GOLF STANDINGS

(As of Wednesday, July 21)

	Points
NAF Short Knockers	33
NOTS Toppers	30½
NAF Hookers	28½
NOTS (3) Putters	26
NAF Slicers	23½
VX-5 Duffers	20

Sidewinders Stomped By NOTS Hawks 17-7

BY BOB HOOPER

In a 24 run-infested game, Wednesday, July 21, the NOTS "Hawks" sort of stepped on some Sidewinders and sort of ran them down by the score of 17 to 7. Each pitcher gave up 11 hits apiece for a total of 22 for the night. It was a kind of batting practice for both teams, but a good time was had by all.

In the second game Wednesday night, the village Vampires walked over the Public Works Tigers by the score of five to one with the Tigers striking out only one Vampire, and giving up one home run to pitcher Don Meritt, who helped salt the game away in the sixth inning for the Vampires.

Kunz Photo 4, Public Works 2
Kunz Photo got off to a good start on Monday, July 26, with short stop Roger Short banging a high fast ball over the left field fence for the first run of four, off new pitcher Jim Dowda. Dowda, who usually plays first base for Public Works, was called to duty as the other Public Works pitchers were on the sick list. Jim held the Kunz Photo team to only seven hits for their four to two win in the seven-inning tilt. Hats off to Jim Dowda for his fine pitching on his first outing.

NAF 5, Sidewinders 3

Well, the Sidewinders blew another one Monday night. The Sidewinders got off to a three run lead in the first inning and held the Redmen off

Behind the one-hit pitching of Steve Pullen last Friday and Don Branson's no-hitter on Saturday, the China Lake Little Leaguers made a shambles of the Area 4, District 51 Tournament at the Lions Club Field in Ridgecrest over the weekend.

With center fielder Ty Pritchett driving in eight runs, the local team defeated Owens Valley American Leaguers 8-0 and Ridgecrest 17-0, thereby advancing to the District 51 playoffs to be held tonight at Edwards Air Force Base.

Game time is 8:00 p.m., with China Lake drawing Boron as opponents. If China Lake wins they will play the winner of the Quartz Hill-Monte Vista game at 8:00 p.m. on Saturday. The two losing teams will play a consolation game at 5:00 p.m. Saturday.

In the first round of tournament play last Friday evening, China Lake downed the Owens Valley American League All-Stars 8-0, led by Ty Pritchett's booming bat and Steve Pullen's blazing one-hit pitching.

Ty went three for four, smashing two home runs and batted in six of the China Lake tallies.

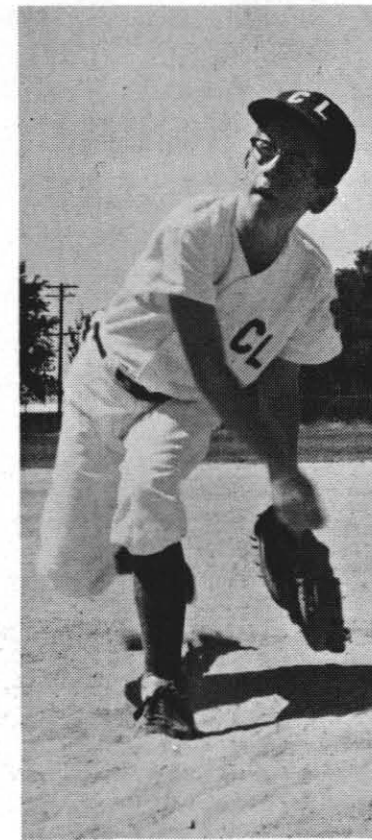
The China Lakers started slowly, going down in order in the first inning. In the second, Claude Salmon started things with a clean single and advanced to second on a passed ball. Kelly Williams got the next two batters, but Bobby

Nelligan got a hit up the middle to score Salmon with what proved to be the deciding run.

In the top of the third, the Ranes blasted out a double, then scored on wild pitches as Steve Pullen walked. Then Ty Pritchett lined a three-and-two pitch over the right field fence for two more runs.

Continuing his blazing hitting in the fourth, Pritchett singled in Randy Graham, who had doubled, and then in the top of the sixth he batted in three more scores with his second homer, this time over the centerfield fence.

In shutting out the Owens Valley nine, Steve Pullen, manager Don Branson's choice for the starting assignment, allowed only one hit, a bounce-up the middle in the sixth.



STEVE PULLEN

... shows follow through

inning. He walked two and struck out 12, allowing only one runner past first base.

This win set up an all-local final game as the Ridgecrest All-Stars downed the Owens Valley National team 10-7 in the first game of the Friday double-header.

Ridgecrest was led by first baseman Bob Streets, who went four for four at the plate, and the clutch pitching of David Williams, who struck out 11.

Inning	1	2	3	4	5	6	7	8	9	R	H	E
China Lake	0	1	3	1	0	3	8	1	0	0	1	1
Owens Valley (A.)	0	0	0	0	0	0	0	1	1			

China Lake 17, Ridgecrest 0
Duplicating his no-hitter of last year's Area Finals at Boron, pitcher Donnie Branson led China Lake to a 17-0 rout of the Ridgecrest All-Stars Saturday evening.

Donnie's superb control and blazing fast ball left the batters swinging at thin air as he struck out 15 and allowed only one runner to advance to second base.

Backing up his teammate was second baseman Steve Pullen who went four for five, scoring four times and batting in three runs.

Leading off the game with a single on the first pitch of Ridgecrest's Paul Stalnaker, Pullen advanced to third on Ty Pritchett's bouncer up the middle. Pullen attempted to score on a wild pitch but was cut down on a fine play from catcher David Williams to Stalnaker. However, Pritchett advanced to third on the out and scored seconds later on another wild pitch.

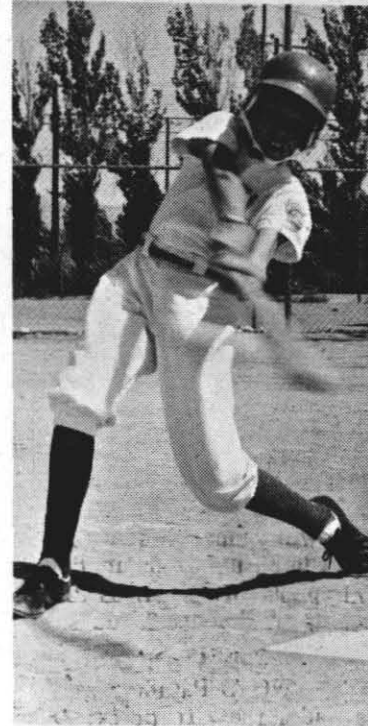
Five Big Ones

China Lake scored five big ones in the second when Gary Ziegler started the rally with an infield hit. After Bobby Nelligan's walk, two errors, Pullen's double and Don Branson's single, the score board read 6 to 0 at the end of the inning.

Ridgecrest's Randy Klassen replaced Stalnaker on the mound and set the Lakers down in order 'til the fourth when China Lake scored their seventh run.

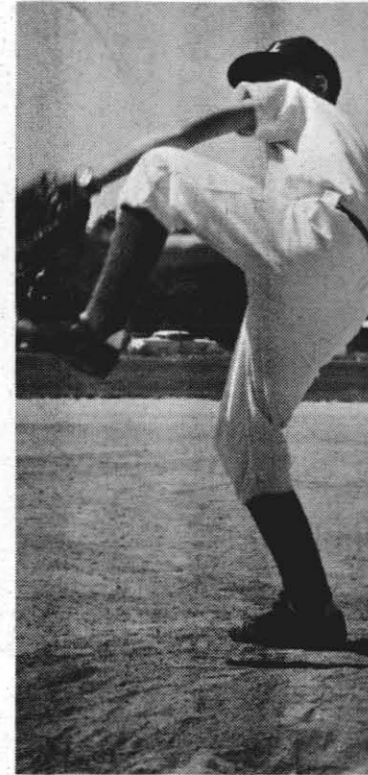
Tiring in the fifth, Klassen was nicked by Bobby Nelligan and Mike Dowd for their second hits of the game. Ty Pritchett batted in his seventh run of the tourney and Mike Lakin lined a single to right driving in his second and third runs of the game.

In the sixth, China Lake added six more runs keyed by



TY PRITCHETT

... at plate



DON BRANSON ... ready for delivery

Pullen's fourth hit and Charlie Ranes' shot to right. Ranes was robbed of hits by Ridgecrest's fine fielding 'til the sixth.

China Lake's Don Branson has now chalked up two no-hitters and a tough 2-1 loss in two years of tournament competition.

Ty Pritchett's four-for-eight, two homers and eight RBIs, topped Pullen's five hits and six RBIs. Nelligan and Salmon each collected three hits while Zeigler, Ranes, and Dowd had two apiece.

In the field the locals were hardly tested, yet turned in some fine plays when the occasion required. Twirler Steve Pullen had particularly fine support on Friday from Branson at short, Nelligan at third, and Dave Davis at second.

Inning	1	2	3	4	5	6	7	8	9	R	H	E
China Lake	1	5	0	1	4	6	1	7	1	1		
Ridgecrest	0	0	0	0	0	0	0	0	0	0	0	5

Softball Standings (As of July 27)

	Won	Lost
Kunz Photo	15	3
VX-5	14	3
Public Works	7	12
NAF	9	10
NOTS	5	12
Sidewinders	4	14



OUT AT HOME—Don Branson is tagged out at home plate by catcher Randy Graham in practice for the District 51 tourney tonight when they face Boron at Edwards AFB.

The Rocketeer

Official Weekly Publication of the U. S. Naval Ordnance Test Station China Lake, California

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NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



HOISTED ON SEALAB II at its christening last Friday, this flag is proudly displayed by two of the designers, (left to right) Ed Carpenter, Project Engineer, and Joe Berkich, Range Engineer, on the SEALAB II project. Mrs. Berkich, now fondly referred to as "Betsy," is congratulated for "building" this magnificent work of art on her sewing machine.

Pasadena's Role in SEALAB II

What may be considered to be a small part, but what actually amounts to one of the most important parts of the SEALAB II program has been in the initial planning and preparation.

The NOTS role is to provide support ship (staging vessel) including modifications to accommodate the project; to receive all of the SEALAB components, decompression chamber, personnel transport capsule, etc., and to put all of the components together to integrate into the working system (systems integration and check out).

Next we must install the whole system at the site at La Jolla, which includes mooring of surface vessel.

The Open Sea Moor for the vessel was designed by the Engineering Division of the Public Works Department at Pasadena.

The next step is the implantment of the lab on the bottom of the sea. After this is done, NOTS must provide all surface support during the period of the operation, running the staging vessel, etc., as well as small boat logistics and personnel transportation.

The control personnel and operating personnel of the staging vessel will be under the direction of NOTS.

The first team will commence operations under water in the SEALAB II on August 18, and will remain submerged for two weeks. Cdr. Scott Carpenter, Astronaut, will be among the first team of ten, and will remain during the entire operation.

In two weeks, eight of the first team will be relieved by eight members of the second team who will also remain sub-

merged for two weeks.

If a third team is deemed to be advisable, the second team will be replaced and a third team will go down for ten days. In the meantime, Cdr. Carpenter and one other member will remain as a part of each team until termination of this phase of the SEALAB program, or at least 30 days.

Kunz to Direct

The NOTS Pasadena project is under the direction of D. A. Kunz, Head, Systems Operations Division. Kunz has delegated responsibility to the Advance Systems Branch with Branch Head Howard Talkington acting as Project Manager; Ed Carpenter, Project Engineer; Joe Berkich, Range Engineer; and Bill Peck, Assistant Range Engineer.

The NOTS military personnel will participate in the operation of the boats, furnishing boat crews and military communications watch. NOTS divers will be on the scene to assist in the implantment of the SEALAB on the bottom and other surface type diving operations as required.

The Long Beach Naval Shipyard was utilized to perform the modifications to the staging vessel.

The American Red Cross since 1938-39 has served a cumulative total of some 34,600,000 cases in helping U.S. servicemen wherever they are stationed throughout the world.

El Toros Hold First

In bullfights, the toros bite the dust; but in the NOTS summer bowling league, the El Toros are trying to lose everybody in a cloud of it. The Toros, with 24 wins and 8 losses, are being challenged only by the Bad Guys (22.5-9.5).

When these two teams meet head-on in the next position week, hide under a desk, friends, for surely the alleys will tremble, and a dark cloud will cover the moon. (Figuratively speaking, of course.)

High scores for the seventh week are as follows: team series, Go-Go's, 2849; team game, Wash Outs, 992; men's series, Clyde Flynn, 670; women's series, Ruth Neff, 590; men's game, Lyle Emerick, 268; women's game, P. Springer, 240.

Display Items For New Air Museum

A Naval and Marine Air Museum is being added to the existing AeroSpace Museum in Balboa Park, San Diego, and a recent ComEleven Notice invites contributions of pertinent items for display in the new addition.

The AeroSpace Museum was established on February 15, 1963. Expansion of the existing museum is contemplated by adding items of Navy and Marine Corps interest from the period 1910 to the present.

Anyone desiring to contribute personal artifacts, photographs, memorabilia, or other items of interest to the general public are invited to correspond with Captain Don F. Smith, USN(Ret.), Curator, telephone number 234-8291. Appropriate recognition and credit will be given to contributors.



THE SALTY CRAB is officially opened as LCdr. J. E. Schaefer, Officer in Charge, San Clemente Island, snips the ribbon. Cheering him on are (l-r) C. R. Crane, SA; G. W. Fiscus, SH2, Club Manager; G. Weeks, SHCS, Resident Officer in Charge, Ship's Service; and E. J. Dampman, BM3.

Salty Crab Opens

The official ribbon-cutting ceremonies performed by LCdr. John E. Schaefer, Officer in Charge, San Clemente Island, heralded the long-awaited grand opening of the SCI Enlisted Men's Club, the "Salty Crab" on July 14, at 4 p.m.

A floor show, with Hollywood entertainers including international favorites, the Holly Twins; guest star, comedienne Billy Deer of stage, movie and TV fame; and a band, was enjoyed by more than 500 people attending the gala affair.

Special Guests

Special guests of the enlisted personnel included—Captains George F. Bond and Walter F. Mazzone of the SEALAB II project; China Lake Officers Cap-

tains Herbert J. Hartman, Public Works Officer; Paul W. Jeffrey, Director of Supply; Robert R. Yount, CO, Naval Air Facility; and Lt. Earl F. Mouton, OinC, Navy Exchange; Cdr. Scott Carpenter, famed astronaut currently associated with the SEALAB II project and LCdr. Earl W. Norton, former (Actg.) Officer in Charge, San Clemente Island.

Culminating many months from drafting board to completion, special honors go to G. Weeks, SHCS, Resident Officer in Charge, Ship's Service, who spared no time or effort to obtain the most club for the money allotted. It is an understatement to say that Chief Weeks had many obstacles to overcome during the construction period.

250 Seating Capacity

With a seating capacity of 250 people, the main lounge overlooks Wilson Cove with a view of Catalina Island on a clear day. Adjacent to the main lounge and separated by a shoji screen is the snack bar. The club also boasts a special TV room and a multiple stereo system throughout. All new equipment includes a shuffle board and pool table.

With the use of decorator colors with varnished redwood trim, and a rheostat controlled lighting system, a bright and cheerful atmosphere has been achieved.

The club was built by the A. E. Cook Construction Co. with non-appropriated funds and the new equipment purchased by the Navy Special Services Office.

Club Manager G. W. Fiscus, SH2, states the club is equipped to handle all the island personnel, an average number of 475, including 215 permanently stationed military personnel.

Future plans include special entertainment periodically.

"A long wait, but well worth it," agreed the men who will enjoy many hours of pleasant relaxation in their home away from home.

Ships for Six Before the 'Deep Six'



PRIOR TO A 105 FOOT DESCENT for a routine search at Morris Dam, T. M. Gallagher, QMCA (DV), is sworn in for six more years by Lt. R. Warren, Diving Officer at Long Beach. Chief Gallagher has completed 12 years with the Navy. He served aboard the USS Conserver (ARS-39), before reporting to NOTS 20 months ago. Gallagher resides in Long Beach with his wife, Beverly, and their two daughters—Cheryl 2, and Kim 1.

SEALAB II Christened

(Continued from Page 1)

Scripps Canyon, 1000 yards off the end of the pier at a depth of 210 feet at the Scripps Institution of Oceanography, La Jolla, California.

The Aquanauts will engage in oceanographic and marine biological research, carry out experimental salvage techniques, and undergo a series of performance tests, starting August 18.

They will breathe a rigidly controlled mixture of helium, oxygen, and nitrogen, with a special helium speech converter designed to make intelligible the "Donald Duck" tones of subjects breathing helium. Hot fresh water showers will be available to enable the divers, returning from their ocean excursions, to regain normal body temperatures.

Unique Voice Circuit

In addition to SEALAB's normal communication channels, a unique capability is being made available to Cdr. Carpenter whereby he may talk to fellow astronauts from hydro-space to outerspace, according to Vern L. Updegraff, Head of

Range Communications at NOTS Pasadena laboratory.

The proposed voice channel—the first of this type to be attempted—would run from SEALAB II through a commercially leased cable to the Pt. Arguello, Tracking Station, Pacific Missile Range, and from there beamed to and from the forthcoming Gemini GT-5 spacecraft flight.

The SEALAB II undersea experiment will be conducted by the Office of Naval Research (ONR) in collaboration with the Navy's Special Projects Office as part of the Deep Submergence Systems Program. SEALAB I project was conducted last year by ONR 30 miles off Bermuda when four Navy divers lived and worked comfortably and safely at a depth of 193 feet for a period of 11 days.

Among those from the Naval Ordnance Test Station in attendance at the SEALAB II christening and press conference were Captain John I. Hardy, ComNOTS; Captain Grady H. Lowe, OinC, Pasadena NOTS; Donald K. Moore, Douglas J. Wilcox, D. A. (Bud) Kunz, Howard R. Talkington, and Dr. Russell Nielsen.

A detailed account of the all-out support being given the SEALAB II project by the Naval Ordnance Test Station, Pasadena, will be found on page six, the NOTS-Pasadena page.

NATO Naval Destroyer Test Termed Successful

Norfolk, Va. (AFPS) — A four-nation naval destroyer exercise, known as "Match Maker," ended here recently after a successful test of base and logistic facilities of NATO nations.

The five-month exercise was formed to determine the problems, if any, which might be encountered when destroyers are required to use base and logistic facilities other than their own.

Destroyers from Canada, The Netherlands, the United Kingdom and the United States participated in the exercise.



OFFICER, ENLISTED AND CIVILIAN members of Sealab II's "aquanaut" crew pose at christening ceremonies Friday, July 23, at Long Beach Naval Shipyard. Our first astronaut, Scott Carpenter, stands fifth from left in front.

Dutchwoman Tells Group Leadership At Unitarian Meet

Ella Goubnitz, a consultant with the Amsterdam (Netherlands) Bureau for Group Psychology, will be the speaker at a special summer program of the Unitarian Fellowship of Indian Wells Valley this Sunday, 8:00 p.m., in Chapel Annex No. 95 at 85 King Ave.

Miss Goubnitz will discuss the development of group leadership through sensitivity training, and her experiences with groups designed to produce such leadership.

All interested persons are invited to attend the program.

METEOROID PUNCTURES

Two meteoroid punctures were reported by the Pegasus II spacecraft during its first 24 hours in earth orbit. This report was relayed by Milton Ames Jr., director of Space Vehicles Research and Technology for NASA. Pegasus II is orbiting the earth at altitudes ranging from 314 to 466 miles. Its performance has so far shown good progress in developing a capability of predicting the number and size of meteoroid particles.

CPO Wives Set Installation Fete

The Chief Petty Officers Wives Club will hold its installation banquet for new officers on Saturday, August 7, at the CPO Club.

The new officers are Mrs. William Foote, president; Mrs. Donald Iske, vice president; Mrs. Eugene Rosellini, secretary; and Mrs. William Spruiell, treasurer.

There will be a punch bowl from 7:00 to 8:00 p.m. The installation ceremony will follow dinner at 8:30.

All Chiefs and their wives are cordially invited. Deadline for reservations is Saturday, July 31st. Those interested should call Mrs. William Foote at FR 5-2825.



HUNDREDS OF GUESTS and members of the press listen to description of history, mission and future of Sealab II at christening ceremonies, Long Beach Naval Shipyard.

Speaker, Robert W. Morse, Navy's R&D chief, gave main address and held press conference, at which he also discussed experimental deep vehicles Moray and Deep Jeep.



NEW FRA OFFICERS—New officers of the local Fleet Reserve Assoc. Branch 95 (l-r) are Tom Creasey, vice president; Everett Moberly, president; Judge G. E. Thompson, installing officer; Jim Wheeler, treasurer; T. L. D. (Terry) Terrebonne, secretary.

All-Star Game Slated Tonight

On Friday night, July 30, the Military All-Stars will tangle with the Civilian All-Stars at the Beer Hut Diamond at 8 p.m. The nine-inning game will be a warm up for the Military All-Stars before they take the road for the Barstow tournament.

Let's all turn out for the game. Here's the line-up for both teams.

MILITARY ALL-STARS

- Miner (Mgr.) NAF
- Hootman (Coach) VX-5
- Perez (Eq. Mgr.) VX-5
- Kelly (Pitcher) NAF
- Merritt (Pitcher) VX-5
- Turley (Infield) VX-5
- Saul (Catcher) VX-5
- Salmi (Catcher) NAF
- Kuhar (Outfield) NOTS
- Bonislowski (Outfield) NOTS
- Litchfield (Outfield) NAF
- Ansforth (Outfield) NOTS
- Eackle (Infield) NOTS
- Alger (Infield) NOTS
- Reed (Outfield) NAF

CIVILIAN ALL-STARS

- Brown (P) Public Works
- Brewer (P) Sidewinders
- Crager (C) Kunz Photo
- Dowda (1B) Public Works
- Short (2B) Kunz Photo
- Martin (SS) Public Works
- Crawford (3B) Kunz Photo
- Paradise (3B) Sidewinders
- Hooper (OF) Sidewinders
- Carson (OF) Sidewinders
- Buckley (OF) Kunz Photo
- Funk (OF) Kunz Photo
- Ayers, J. (IF) Sidewinders

Navy Pilot Traded For Ice Cream

USS Oriskany, at Sea (AFPS) — A naval aviator was traded for 35 gallons of ice cream recently after he was rescued by the destroyer USS Perkins and returned to the aircraft carrier USS Oriskany by helicopter.

Lieutenant Commander Eric H. Schada Jr., escaped injury when his Skyraider aircraft plunged into the sea shortly after leaving the carrier's flight deck. The Oriskany was operating off the coast of Viet-Nam.

Check Insurance For War Clauses, Says Legal Chief

"There is absolutely no reason why military personnel should purchase insurance policies containing a so-called 'war clause,'" says NOTS Legal Officer Cdr. Harold E. Byrd, "since coverage free of restrictions based on military service is widely available in reasonable amounts."

Cdr. Byrd advises all China Lakers to review their commercial life insurance policies to see whether they are free of such clauses, in view of the nation's extended involvement in the Viet Nam hostilities.

Limits Coverage

He explained that the "war clause" limits coverage to a refund of premiums already paid, if death results "while engaged in military or naval service in time of war or as a consequence thereof."

"Recently," he noted, "a life insurance company was permitted to avoid liability for the face value of a policy containing such a clause, in the case of a soldier killed in Viet Nam as the result of hostile action."

Miracle Seen at Bowl, Scores Presage Event

A genuine miracle, witnessed by many, occurred at Desert Summer League pin action last Wednesday night, July 21, heralded by portentous scores.

The miracle occurred as the sleeping Guidance Radar Branch Pin Busters awoke to win four games from the sinking Fire House Five, who now own a tie for third spot. Mike Hrusa's 223 game was high for the night.

The Bronze Bombers wasted no time in jumping on the fading GRB No Names. Led by Floyd Kerr, the winners ran over Milliken's Mets by 2,514 to 2,371. The only happy note for the losers was the 623 series of Joe Proskauer for the Mets.

We Five Lose Three

The league-leading We Five ran into a red-hot Beaver Patrol and lost three games. The

Wood Chucks flattened the leaders 2,573 to 2,536. It was the first match lost by We Five this season. The Beavers were led by Les "The Bear" Norman's 527, while We Five was led by John Ito's 539.

The NAF Crabs moved into second slot by running over the vanishing Apes 2,564 to 2,339. Lucky Clark led the winners to the four-game victory with a 522 series. Bemis Jones was the gun for the losers with a 554 series.

Desert Motors Trampled

Accey Deucey came thundering in and trampled the Desert Motors Five 2,514 to 2,147. Led by Ron Pafford's 542, the Swabs ran away with all four games. The losers were led by "Foul Light" Jack Brown with a 514 series.

Watch out for the Eagles! Here they come, downing the Station Hospital team for four games. Bad Bob Waters led the Hawks with a 615 series, followed by Lonesome Dewey Harper's 563. Doc Mazza led the losers with a 472 series.

The Bronze Bombers took the evening's high team game with a 940, and We Five scored the high team series of 2,660. Roosevelt Bray's 227 was high individual game, and Alex Ribultan took high individual series with a 605.

STANDINGS (As of July 22)

	WON	LOST
We Five	26½	9½
NAF Crabs	22	14
Desert Fire		
Equip.	19	17
Beaver Patrol ..	19	17
Bronze Bombers ..	18½	17½
Desert Motors ..	17	19
GRB No Names ..	17	19
Station Hospital ..	17	19
Apes	16	20
Accey Deucey	15	21
GRB Pin Busters ..	15	21
F. O. Eagles	14	22



LADIES AUXILIARY OFFICERS—New officers of the Ladies Auxiliary of the FRA (l-r) are Verna Wheeler, treasurer; Dorothy Stands, president; Grace Driver, secretary; Lorraine Porter, chaplain, and Moneta Terrebonne, vice president.



PIPED ASHORE AFTER 20 — Steward's mate second class Felix Franklin is saluted by side boys as he retires to the Fleet Re-

serve after 20 years of active duty. A Pacific Theatre WW II veteran, he came to NOTS in October, 1963.

Afghanistan Expedition

First Report From Kabul

By Carol Burge



(Following is the first report from Carol Burge, the only woman member of a 12-member expedition that set out from Los Angeles, June 13, to scale Noshag, a 24,581 foot mountain in the Hindu Kush Range in Afghanistan. Other NOTS members of the expedition are Dennis K. Burge, George C. Barnes, and James R. Nichols.)

KABUL, June 25 — "Due to a change in plans we flew directly to Kabul, the capitol of Afghanistan, from Karachi instead of riding 13 miles in trucks over the Khyber Pass as previously planned.

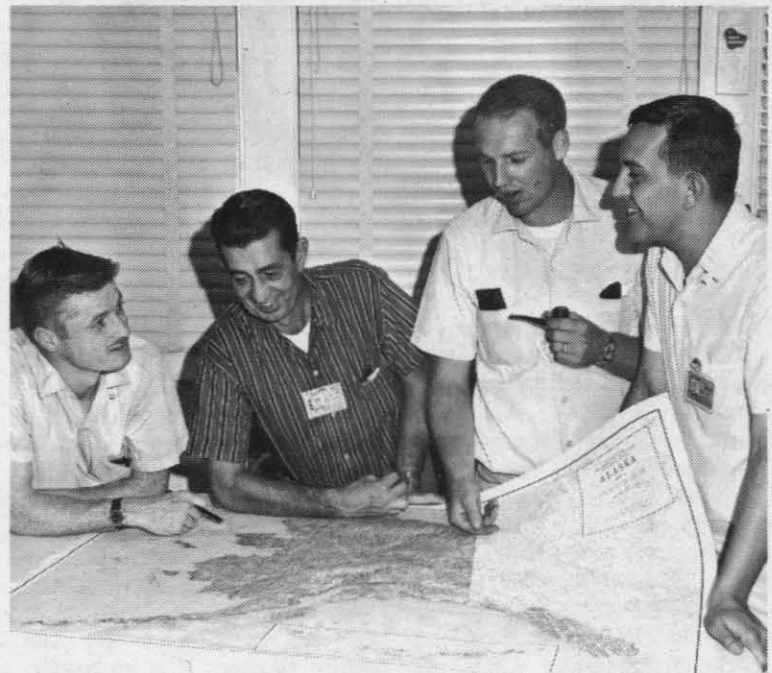
Some of us were curious about the famous invasion route, and the place where the Afghans lined up the British

soldiers in front of cannons and blew them up. So, yesterday seven of us rented two taxis and an Afghan guide and drove over this route of about 150 miles.

The first 50 miles of the regular road is closed while they build a dam, so we had to take the old, very bumpy dirt road that clings to the sides of cliffs and has all kinds of hairpin turns.

It took us four hours to cover the 50 miles including a couple of picture-taking stops at Nomad camps. The Nomads are currently moving to high ground for the summer. We must have passed about 1000 of them — some with the black tents you always hear about, others of light beige color.

Some of the tents are made of skins, some of straw



REVIEWING VOYAGE of six weeks in Alaskan Waters are four of its participants from Earth and Planetary Sciences, Research Dept., headed by Dr. Pierre St. Amand. From left are Dr. David W. School, Earl E. Beasey, Charles F. McFarlane and Sam A. Miller. Miller, electronics engineer, was the only member to sail the entire six weeks, and kept the expedition's research gear in trim. The others, including Dr. Ronald Von Huene and Jack R. Lovett, were aboard the USS Davis a half-voyage each.

Probe Alaskan Waters for Data

(Continued from Page 1)

level wave action, is not flat but quite sharply peaked. That seems to pretty well eliminate it as evidence to support ideas of a vastly lower sea level in ice-age times, or of substantial subsidence of the sea floor."

Bering Sea Probed

Dr. Scholl's part of the expedition had better luck with weather, not counting fog and rain. "We saw the sun twice!" he exclaimed.

"In the Deep Bering Sea, we found major areas of instability and quite a bit of erosion from the continental shelf. A great part of the bottom was extremely flat, showing the effect of the turbidity current leveling mechanism." He explained that huge quantities of mud and debris have been washed off the steep Bering slopes and spread out across the bottom, filling in irregu-

larities. NOTS acoustic-reflection gear penetrated this "top-soil" and "mapped" its layers and those of the material beneath it.

Dr. Von Heune, a geophysicist, and Dr. Scholl, an oceanographer, both emphasized that most of the data have not yet been carefully considered, especially the results of studies of deep-sea coves, bottom samples and photographs. They will be studied at NOTS, at the Naval Electronics Laboratory in San Diego and at Scripps Institute of Oceanography, La Jolla.

Additional information included studies of magnetic fields, studies of the geologic history of the Shallow Bering Sea and dating of lava flows from the volcanic Pribilof Islands by the potassium argon method, which may yield information on the origin of the ice ages.

frame. The Nomads almost seem to be outnumbered by their animals — donkeys of all sorts, small scrawny camels, miniature cows, dogs, and chickens. Yesterday, I saw a calf comfortably riding along on a donkey's back. I always thought camels were somewhat ferocious until I saw a year-old baby slap one right in the mouth with no consequences.

The rootless nomadic life has always seemed appealing to me, but yesterday when we stopped and the people swarmed around us, some of the romanticism evaporated.

Tells of Illness

Nearly all of them were sick with worms and various skin infections, according to our Dr. Sardina. Some of the babies had terribly inflamed eyes, and of course they were all filthy. There is some doubt in my mind that it would be possible to establish good health practices among people who are constantly on the move, dependent on local water and live so closely with their animals.

My husband, Dennis, disagrees with me on that point and thinks the people could be taught not to pollute their water. Even if one could maintain health, life apparently gets monotonous judging from the entertainment we provided.

After their pictures were taken, they brought out their sick children and pointed to their distended bellies and awful sores, with the faint hope

that we could do something. We gave them some anti-worm pills and Dr. Sardina told them to go to the hospital in Kabul. Maybe it isn't so much fun being a Nomad. I never heard of an ex-Nomad though and perhaps it doesn't occur to them to live some other way.

Khyber Pass

The Khyber Pass itself isn't much. It is a broad, flat river valley right at the top. On this side it wanders down to a gorge with forts built up on every little pinnacle. On the way over, we stopped at 11:50 in Jahalabad for lunch. At 1:40, we started eating. Must have caught the hotel in its off season. It was 100 deg. there and air conditioning is apparently unknown.

This is our seventh day in Kabul and our climbing plans have been reworked so many times that it is impossible to trace their course. The Foreign Ministry had ruled that 'Thou shalt not climb within 10 Km of Afghanistan's border.' Why, no one seems to know, but that rules out the Wakkhan Strip and Mt. Noshag. Two Semon climbers were murdered by their porters up there two years ago, but what connection could that have with borders?

Plans Change

It appears now that we'll either go to Nuristan or an area of around 20,000 feet near Jahalabad. Since Friday is the Moslem holiday, we won't know anything until tomorrow. Another minor detail — our supplies and gear aren't here yet. When we got to Karachi, they had already been sent and we know that they got to Peshawar — then nothing further.

It appears that the Royal Family of this principality has about zero real power, and George Barnes' hobnobbing with the prince hasn't done much good so far. His friend, Peter Edmonds, at the U.S. Embassy, has been very helpful however.

Reds Turn Back Local Climbers Of Mt. Noshag

A United Press International report last Friday brought word that the assault on Mt. Noshag in Afghanistan by a 12-man expedition, including four China Lake climbers, was abandoned due to closing of the Red China frontier.

UPI said the expedition is now pushing through the Hindu Kush Range in Northeast Afghanistan, dominated by 25,263-foot Tirich Mir, for an alternate attempt at high-altitude records.

The four China Lake members of the expedition are George C. Barnes, James R. Nichols, and Mr. and Mrs. Dennis K. Burge. The group departed Los Angeles by air June 13, headed for Karachi, Pakistan, by way of Honolulu, Tokyo, Hongkong, and Bangkok.

Elaborate plans to scale Mt. Noshag began in the Spring of 1964, when Graham Stephenson, a Los Angeles adventurer, and the expedition's leader, decided that Barnes precede the main group by several weeks and set up the base of operations at Kabul.

that we could do something. We gave them some anti-worm pills and Dr. Sardina told them to go to the hospital in Kabul. Maybe it isn't so much fun being a Nomad. I never heard of an ex-Nomad though and perhaps it doesn't occur to them to live some other way.

streets and houses of Kabul. There are some modern buildings here, but most people live in mud houses. In the country, the houses start in a corner of a large, much walled courtyard, but in a town the yard is dispensed with and houses are practically piled on top of each other.

If you can hold your breath for awhile, it is interesting to wander in the maze of narrow alleys between houses. The sewer is open and runs down the middle of the alley. There are little kids playing all over the place, and they are mostly very friendly except for one little girl that spit at me yesterday.

On the Move Again

Dennis just told me that we leave here this coming Thursday — wish it was sooner since hotel life gets a little wearing. However, we are getting better acquainted (even discuss the dysentery which we've all had to some degree) and are rubbing off the corners that don't fit. John Holloway—the one who was hours behind everybody on a trip we took Memorial Day — is by far the most agreeable of us to be around.

It is said that Afghanistan is the second least developed country in the world (Yemen is first). Animal and human power still provide much of the transportation. There are quite a few cars and trucks whose drivers all seem adept at 'brinkmanship' driving. To break the monotony, they often drive on the left side of the road. On the way home today, our driver was apparently driving on the wrong side of a divided road — for about three miles before he crossed over.

Afghan Drivers

Head - on collisions often seem imminent, but everyone swerves just in time. The real characteristic of Afghan drivers though, is their endless faith in the horn. They use it as if it had power to sweep all objects from their path. It is true that a steady pressure on the horn will slowly cause a bus, truck, or donkey to move to one side.

From 5 a.m. until 8 p.m., you would think there is a major traffic jam outside this hotel, and it isn't likely there are more than a dozen cars in two blocks. The cars are German and Russian and a few American-made.

Face Veil Optional

Although the face cape was made optional four years ago, nearly all married women in Kabul still wear it. I think they would be terribly hot and uncomfortable. In the country, most of them don't wear a face veil, but pull a corner of their shawl over their face whenever men approach.

Afghans don't look any more like each other than Americans do. There are Mongols, Semites, and Allah knows what else. The invaders did a good job.

There is a large formal garden at Pagamon — almost unbelievable compared with the