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FLEET ADMIRAL C. W. NIMITZ TO FETE 75th BIRTHDAY

Navywide events will honor the 75th birthday of Fleet Admiral Chester W. Nimitz next Wednesday, February 24, when the Navy pays its respects to this distinguished naval officer.

The lifelong military career of Fleet Admiral Nimitz started with his appointment to the U. S. Naval Academy from the Twelfth Congressional District of his home state of Texas in 1901 while he was attending Tivey High School in Kerrville.

He graduated from the Academy with distinction, seventh in a class of 114, in January, 1905. By June, 1938, he had advanced in rank to that of Rear Admiral. He was appointed Admiral in December, 1941. Following confirmation by the Senate in December, 1944, he accepted the nomination and took the Oath of Office as Fleet Admiral of the U. S. Navy, the highest grade in the Navy.

On September 1, 1945, Fleet Admiral Nimitz was one of the signers of the United States when Japan formally signed the surrender terms aboard the battleship Missouri in Tokyo Bay.

During his colorful military career, he served as Com-

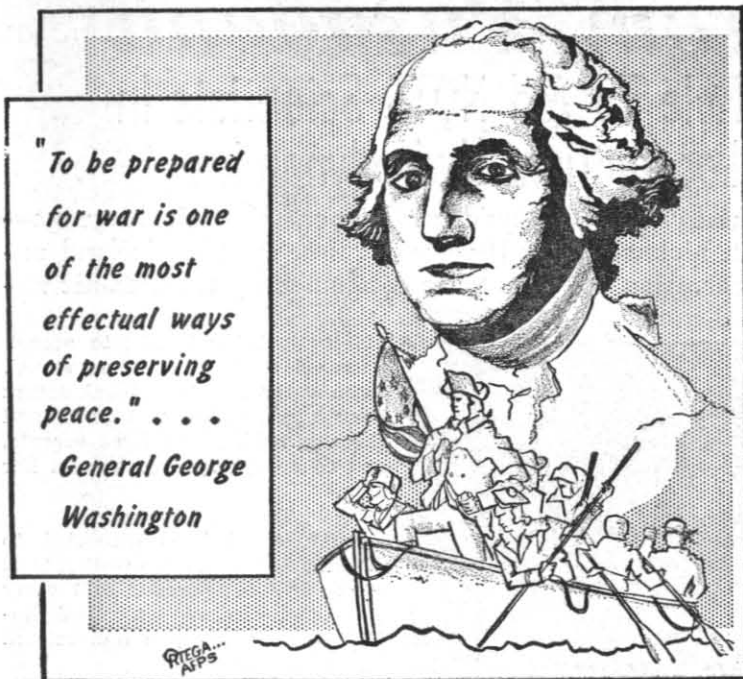


75TH BIRTHDAY — Fleet Admiral Chester W. Nimitz, one of the military leaders present at the signing of the Japanese surrender document aboard the battleship Missouri, celebrates his 75th birthday Feb. 24.

mander, Atlantic Submarine Flotilla; Chief of Staff of the Commander Submarine Force, U. S. Atlantic Fleet; Commander in Chief, U. S. Fleet; Chief of the Bureau of Navigation; Commander in Chief, U. S. Pacific Fleet and Pacific Ocean Areas; Chief of Naval Operations; Special Assistant to the Secretary of the Navy in the Western Sea Frontier; and international representative of the United Nations.

Listed among his numerous meritorious citations are the Distinguished Service Medal awarded by Congress, and the Distinguished Service Medal with two Gold Stars in lieu of similar awards, also the Army Distinguished Service Medal and the Silver Lifesaving Medal. Fleet Admiral Nimitz has the Victory Medal with Escort Clasp and Star; the American Defense Service Medal; the Asiatic-Pacific Campaign Medal, the World War II Victory Medal; and the National Defense Service Medal.

In addition to his military citations, he has been the recipient of honorary degrees from 19 universities and colleges, and decorations and awards from 12 foreign governments.



Father of His Country Man of Spirit, Daring

There are no paintings or statues of George Washington in a towering fit of rage, shaking his fist and shouting oaths as he dressed down subordinates. Nor are there likely to be. The Washington given us by generations of artists and sculptors is as serene and noble as marble—the calm, lofty-minded aristocrat.

But the fact is that the Father of Our Country was no cold fish. He had a violent temper; he was also on occasion a man of reckless daring. Indeed, in war it was his willingness to take risks that sparked his defeat of superior British forces. And, as historians have observed, the whole American Revolution was a calculated risk.

His hot blood manifested itself as early as 1754 when he was a lieutenant colonel commanding militia forces sent to reinforce the forks of the Ohio against the French. It was on Washington's order that the first shots were fired to touch off the French and Indian War when his troops intercepted a French scouting party.

"I heard the bullets whistle," he wrote later, "and believe me, there is something charming in the sound."

This was the man who, on Braddock's march, had two horses shot from under him and his coat pierced by four bullets. It was the man who, during the Revolution, could bawl out Charles Lee unmercifully on the field of Monmouth Courthouse for failing to reform his lines and discipline his panicky troops. One report says that his fury erupted "till the leaves shook on the trees."

A loyal friend, he was implacable toward his enemies. For him the Tories were "wretched creatures" who practiced "diabolical arts and schemes."

Neither mean nor spiteful, he could not be deterred when he believed himself in the right. When Benedict Arnold's treason plot blew up there was considerable grudging sympathy for its chief victim, the British Maj. John Andre. But Washington felt no mercy for this enemy of his cause.

Not only did he uphold Andre's death sentence, but he decreed that the handsome and gifted officer die at the end of a rope. That, in the 18th Century, was considered the lowliest form of the extreme penalty. (AFPS)



HIGH SCHOOL AWARDEES—1960 Bank of America Award winners for specific scholastic achievements, seated (l-r) are: Kristin Highberg, Mathematics; Patricia Reid, Business; Rosemary Gatchell, Home Economics; Carol Anderson, English; Florence Haseltine, Foreign Language. Standing (l-r) are: Carolyn Davis, Social Studies; Bill Reed, Music; Alfred Cram, Industrial Arts; Barry Schilberg, Art; and Belmont Frisbee, Science. B of A Awards are given annually to outstanding high school students.

BHS Sets Date for Annual Science Fair Promotional Opportunities

Only persons currently employed on this Station may apply for the following positions, and up-to-date Form 58 should be submitted when applying. Electronic Equipment Assembler, \$2.56 to \$2.78 p/h, Code 4035. File application for above position with Pat Dettling, Room 34, Personnel Bldg., Extension 72032, by Feb. 26.

Scientific Staff Assistant, GS-12, PD 05009, Code 5080. Establishes and maintains liaison with military, educational and industrial agencies; coordinates field work and is responsible for the administrative function of the Division. Engineering Technician (General), GS-9, PD 13908, Code 5551. Responsible for preparation and editing of military specifications, examines and approves materials of some nature as prepared by contractor. Laborer (Heavy), \$2.16 to \$2.34, Code 5545. Performs unskilled or low skilled tasks in the Machine Shop.

Supervisory General Engineer, GS-13, PD 13978, Code 5561. Head of Weapons Application Branch, which is responsible for implementing projects ranging from applied research, design, engineering, production service and in-service Fleet support. Branch interest starts with active liaison and consulting on a new weapon in the research and development stage; through active participation in the launching, handling, logistic, compatibility and safety aspects from initial production throughout Fleet usage and modifications, to obsolescence.

File application for above positions with Pat Gault, Room 31, Personnel Bldg., Extension 71393, by Feb. 26. Other Federal Opportunities: Digital Computer Systems Analysts, GS-11 and 12; McClellan Air Force Base. File application with Personnel Officer, Sacramento Air Material Area, McClellan AFB, California. Closing date: Feb. 28.

Supervisory General Engineer, GS-13; U.S. Naval Public Works Center, Guam and Mariana Islands; Forward applications to Navy Overseas Employment Office (Pacific), 45 Hyde St., San Francisco, California. Closing date: Feb. 29.

Clark, GS-4, \$4 & U.S. Civil Service Commission announces an examination which includes the options of General, Mail & File, Personnel, Statistical, Supply, and Traffic and Transportation. Closing date: March 2.

Leadman Blocker and Broker, File Standard Form 57, NAVEXOS 4156-AB and Admission, GS-4, \$4 & U.S. Civil Service Commission announces an examination which includes the options of General, Mail & File, Personnel, Statistical, Supply, and Traffic and Transportation. Closing date: March 2.

For further information on above positions, contact Eloise Buck, Personnel Bldg., Extension 7-2069.

Keymen Appointed For Joint Charities Drive

Keymen from each department or major organizational unit on the Station have been appointed as the authorized collection representatives for the 1960 Joint Charities Campaign, according to Dr. G. W. "Bill" Leonard, campaign chairman.

On-the-job solicitation for the "10-Way" health and welfare charities campaign will be made at the Naval Ordnance Test Station February 26-29 by these representatives, Dr. Leonard said.

Each keyman will select other representatives in his department to distribute prepared collection envelopes, bringing the campaign to all personnel employed here. Department keymen are: Code 00, 01, 11, 17: Anna McDuff, 12: Bernice Reger, 14: LCdr. W. E. Smith, 15: Mary Newfield, 18: Lt.(jg) A. C. Schmidt, 25: Ralph J. Rogers, 30: Jim Campbell, 35: Bob Green, 40: Eldon Williams, 45: W. E. Davis, 50: Doris Rickhoff, 55: Agnes Titterman, 65: Louise Casinger, 70: A. A. Tewksbury, 75: Carolyn Kruse, 85: Ellen Schilling, 86: S/Sgt. Angelo Rainaldi, 87, 88: Paul Cuykendall, 9525: Ens. Revis Compton, 9502: C.W.O. Robt. D. Bricker

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ROCKETEER logo with American flag and a rocket ship. Includes contact info: Budd Gott, Editor; Office, Housing Bldg., Top Deck; Phones 71854, 72085, 71655.

Vol. XVI, No. 7 U. S. Naval Ordnance Test Station, China Lake, California Friday, February 19, 1960



CONGRATULATIONS—Lt. (jg) Arnold C. Schmidt (r) is congratulated by Capt. T. A. Grell, NAF's Commanding Officer, after being sworn into the Regular Navy. Lt. Schmidt has served on active duty in the Navy Reserve since 1955 and has spent the past three years at China Lake. His orders will now take him to the Naval Air Station, Miramar, Calif.

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ONR Officials Visit Station

Captain Robert A. Fitch, Assistant Chief of Naval Research for Patents and Patent Counsel for the Navy, and A. H. Helvestine, Patent Administrator from the Office of Naval Research, are currently visiting the Naval Ordnance Test Station. This is Capt. Fitch's first tour of duty in this capacity, having succeeded Capt. George N. Robillard.

Prior to their arrival at NOTS, they reviewed patent branch activities at ONR-San Francisco, Pt. Mugu, and ONR-Pasadena. Their scheduled tour of west coast activities will be resumed next week with inspection of the NOLC Patent Branch.

A non-host reception in their honor was held last night.

Heat Radiation Studied

Teamwork Expands NOTS-Canadian Research Program

A broad program of research, jointly conducted by the U. S. Navy, the Canadian Meteorological Service, the U. S. Air Force, and Scripps Institution of Oceanography, and the Station's Oceanic Research Division, under the direction of E. V. Ashburn of Research Department, is presently underway.

It started in 1959 by the installation of heat radiation equipment at La Jolla, then extended to San Clemente and Santa Rosa Islands, and the Canadian weather ships out of Victoria, B. C.

In December, through the cooperation of the Canadian Meteorological Service, NOTS instruments were installed on the CGS Stone-tower under the supervision of Captain A. B. Arnison and George Almond of the Canadian Department of Transport.

The instruments involved are a Net Exchange Radiometer which measures the difference of the heat radiation being transmitted to the sea surface from the sun and sky.

The first of a series of eight lectures on "Securities and Investing" was given last Wednesday evening in the Community Center by John B. Wells, Jr., Branch Manager of the Long Beach office of Dean Witter and Company.

Remaining lectures will be given every Wednesday at 8 p.m. in the Community Center as a free public service. No pre-registration is necessary.

Schedule of the remaining lectures and the speakers are as follows: Second lecture, Feb. 24: Jeff Arnett, registered account advisor from Dean Witter & Co. on "Types of Securities—Risks and Rewards."

Third lecture, March 2: Dean O'Hare, registered account advisor from Dean Witter & Co. "The New York Stock Exchange and the Broker."

Fourth lecture, March 9: Glen F. Lewis, analyst from Paine, Webber, Jackson and Curtis on "Objectives of Your Investment Program."

Fifth lecture, March 16: Bruce Graham, senior analyst from Dean Witter & Co. on "Information Investors Should Have and Where To Get It."

Sixth lecture, March 23: Thomas Sidenberg, director research from Wm. R. Staats on "How to Read the Financial Page."

Seventh lecture, March 30: Jim Wallace, senior analyst from Dean Witter & Co. on "How to Read and Interpret Financial Reports."

Eighth lecture, April 7: Robert VanDeVenter, registered account advisor from Dean Witter & Co. on "Sound Methods of Investing."

By popular request, the NOTS Civic Concert Association has obtained the world famous Vienna Choir Boys, under the exclusive management of S. Hurok, to appear Friday, February 26, at the NOTS Station Theatre at 8:15 p.m. Concert enthusiasts will again have the pleasure of listening to these talented youngsters perform their repertoire of folk songs, secular music and costume operetta.

Under the direction of Helmuth Froschauer, the first portion of the program will feature the following selections: "Pueri Hebraeorum," "Domine Non Sum Dignus," "Kyrie and Credo from the Missa Purificationis," "Now Must I Go," "The Cuckoo Sat on the Fence," "Two Gypsy Songs" and "The Angel and the Shepherd."

After a short intermission, "The Silly Girls," from a play by Moliere, will be enacted. This rollicking operetta tells the story of two socially ambitious young ladies who realize their attitude toward life has been wrong when their suitors successfully scheme to embarrass them.

The program will be concluded by a series of folk songs as only the Vienna Choir Boys can interpret. This is the fifteenth time Vienna (Continued on Page 4)



Concert...

(Continued from Page 1) na's historical Seminary School, founded by Imperial decree 460 years ago, has sent one of their finest trained groups to tour North America. On the last lap of a world-wide tour, the choir of 22 youngsters, aged 8 to 14, had scheduled appearances in 70 cities in the United States and Canada. Their past exhibitions include being featured in "Cinerama," the Perry Como Show, The Voice of Firestone, Omnibus, a surprise appearance in the Metropolitan Opera's performance of "Fledermaus," and recording extensively on several labels.

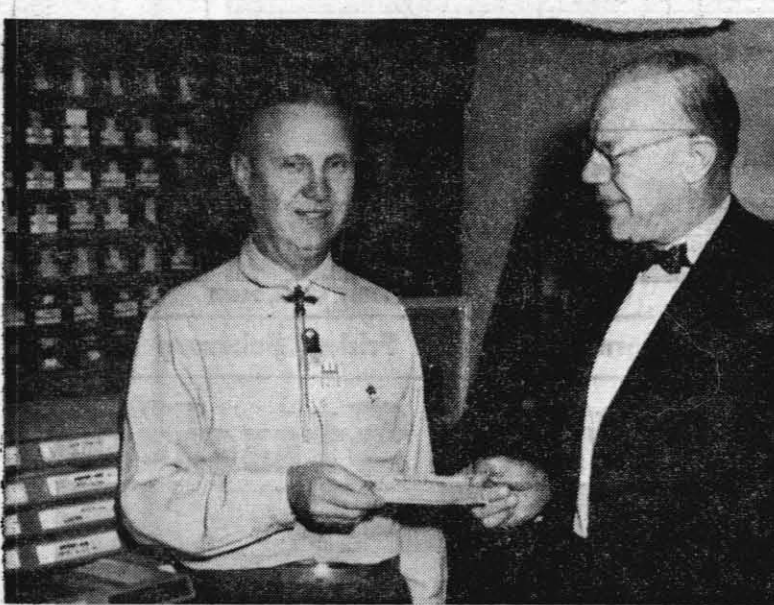
The San Francisco Chronicle commented, "It would be difficult to say which part of the program was the most charming, impressive or worthwhile. There is a purity and impersonality about the boys' voices especially suited to the sacred music of the Renaissance.

Single admission tickets will be available at the box office from 6 p.m. until concert time. Prices for these tickets are \$5, \$4.25, \$3.50 and \$1.75. Tickets will also be available today at the Bennington Plaza.

Private Service (incl. tax) \$6.16 4-Party Service (incl. tax) \$4.51



NEW JGA'S—Capt. H. B. Hahn, Executive Officer, congratulates Robert F. Biller (c) and Roger G. Scoville, as he presents JGA certificates indicating completion of the six-month training program designed for orientation of Junior Government Assistants. See story.



PAYOFF—Harold Lindberg, Illustrator in the Graphic Arts Section of TID, receives a \$75 check for an adopted Beneficial Suggestion to convert discarded wooden file cabinets for storage of Zip-a-Tone and Artype. This new use for discarded files has been adopted in other departments.

Two Trainees Earn JGA Certificates

Certificates marking the completion of the Junior Government Assistant (JGA) Training Program were presented last week to Roger G. Scoville and Robert F. Biller by the Station's Executive Officer, Capt. H. B. Hahn.

These trainees have completed an intensive six-month program including orientation and work assignments in all of the support departments on the Station, as well as a one-month tour in one of the Station's technical departments.

Upon completion of his training program, Scoville accepted a Management Analyst position in Central Staff's Management Analysis Division.

Meetings...

QUARTER MIDGET races will be held Sunday, Feb. 21, beginning at 2:30 p.m. following 1:30 time trials. The no-admission race will be held on their track off SNORT Road.

NRCC-11-1 meeting will be held Wednesday, February 24 at 7:30 p.m. in the Michelson Laboratory Conference Room A.

Schedule for Saturday A parade, starting at 10:30 a.m. will open the weekend schedule of events on Saturday.

A barbecue and continuous entertainment are planned from 1 to 6 p.m. at Riverside Park in Kernville which will include a costume promenade, epithaph awards at boat hill, and a conducted tour of Keysville.

Jewelry Making Class Begins Next Thursday Arrangements have been completed for a Burroughs Evening High School class in Jewelry Making.

Facilities to Close on Washington's Birthday NOTS facilities will observe the following holiday schedule: Commissary—closed Monday, Feb. 22.

National Date Festival Another special event taking place this holiday weekend is the National Date Festival in Indio.

Whiskerino Contest On Old Timer's picnic, a High Noon Quick Draw Elimination Shootoff, and a whiskerino contest at Riverside Park will conclude the four day event on Sunday.

Art Illustration by Technical Information Department.

Office, Housing Building 35 Telephone: 71354, 71655, 72082 DEADLINES

News Stories ... Tues., 4:30 p.m. Photographs ... Tues., 11:30 a.m.

Nova Semeyn ... Correspondent Phone Ext. 482 Shaw Hansen, A. E. Block, D. Sanchez.

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The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise specified.

Sport Slants

By Chuck Mangold, Athletic Director

With two weeks left to play, the Station Intramural Basketball League championship is far from decided. Four teams, NOTS, Marine Barracks, Burroughs Faculty, and the Engineering Dept. are still in the race.

Table with 3 columns: Team, Won, Lost. Lists teams like NAF 66-65, Canebrake Inn, Hopefuls, etc.

Intramural Basketball Standings Team Won Lost Engineering Dept. 7 1 Burroughs Faculty 6 1 Marine Barracks 6 2 NOTS 5 2 VX-5 A 4 4 NAF 4 4 GMU-25 1 6 Salt Wells 1 7 VX-5 B 0 7

Intramural Schedule NAF vs. Marine Barracks—Tues., Feb. 23, 6 p.m. GMU-25 vs. Engineering Dept.—Tues., Feb. 23, 7:30 p.m.

High School Student Earns Third Award Florence Haseltine, a senior at Burroughs High School, is one of 29 students from California to receive honors in the 19th annual Westinghouse Science Talent Search.

Swim Meet To Be Held February 27 A Swim Meet, sponsored by the Indian Wells Valley Recreation Council, will be held Saturday, Feb. 27.

Men's Fellowship To Hold Box Social Next Wednesday An old-fashioned Box Social, sponsored by the Men's Fellowship of the NOTS Community Church, will be the feature of the next meeting Wednesday, Feb. 24.

Ship Open House The destroyer USS Shelton will be open for visitors this weekend, Feb. 20-21, from noon to 4 p.m., at the Long Beach port.

Promotional Opportunities Electronic Engineer (Ordnance), GS-9 or GS-11, PD No. OP55002, Code P5511.

Enlisted Men Promoted Crewmen of the USS Butternut have been advanced to Rate as follows:

Housing List Deadline Nears February 29 is the last day on which applications will be accepted for the new housing list covering the period from April 1 to September 30, 1960.

Wed. Noon Program "Nature's Half Acre," a Walt Disney program, will be presented at the Feb. 24 noon entertainment program in Building 7.

Gems of Wisdom You can't outlaw gambling as long as marriage is legal.

There is nothing so frightening as ignorance in action.

What's Doing IN RECREATION By Jean Cone, Recreation Director

The Fourth Annual Whiskey Flat celebration, using the theme "100 years of Society on the Kern" was launched yesterday and will continue through Sunday, February 21.

Coin Collecting Display May Organize Hobbyists Due to the interest demonstrated locally in coin collecting, a display case has been placed in the North Lobby of Michelson Laboratory.

Schedule for Saturday A parade, starting at 10:30 a.m. will open the weekend schedule of events on Saturday.

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SHOWBOAT

★One showing per night at 7 p.m. ★Two showings per night at 6 and 8 p.m.

TODAY FEB. 19 "WARRIOR AND SLAVE GIRL" (89 Min.) Gianna Canolo, Georges Marchal

SHORTS: "Little Be Bopper" (7 Min.) "Tea Marvels" (10 Min.)

MATINEE FEB. 20 "TRAVELING SALESMAN" (76 Min.) Joan Davis, Andy Devine

SHORTS: "Up'n Atom" (7 Min.) "Lost Planet" No. 13 (16 Min.)

EVENING FEB. 21 "ONIONHEAD" (110 Min.) Andy Griffith, Felicia Farr

SHORTS: "The zaniest cook in the Coast Guard" The Chief Cook's girl friend makes unwanted play for him and the Finance Officer gives him a rough time with the galley. Real off-beat fun.

SHORTS: "Now Here This" (7 Min.)

SUN.-MON. FEB. 21-22 "THE FBI STORY" (149 Min.) James Stewart, Vera Miles

The emergence of the FBI from an obscure Washington bureau to a powerful national institution is outlined through the experiences of a typical agent.

TUES.-WED. FEB. 23-24 "GUNS OF THE TIMBERLAND" (91 Min.) Alan Ladd, Jeanne Crain

SHORTS: "Born To Ski" (10 Min.)

THURS. FEB. 25 "THE KEY" (126 Min.) William Holden, Sophia Loren

FRI. FEB. 26 CONCERT Vienna Choir Boys 8:15 p.m.

SAT. FEB. 27 MATINEE "SCARLET SPEAR" (79 Min.) John Bentley

SHORTS: "High and Flighty" (7 Min.) "Lost Planet" No. 14 (16 Min.)

EVENING FEB. 28 "DIARY OF A HIGH SCHOOL BRIDE" (72 Min.) Anita Sands, Ronald Foster

SHORTS: "GHOST OF DRAGSTRIP HOLLOW" (64 Min.) Jody Fair, Martha Braddock

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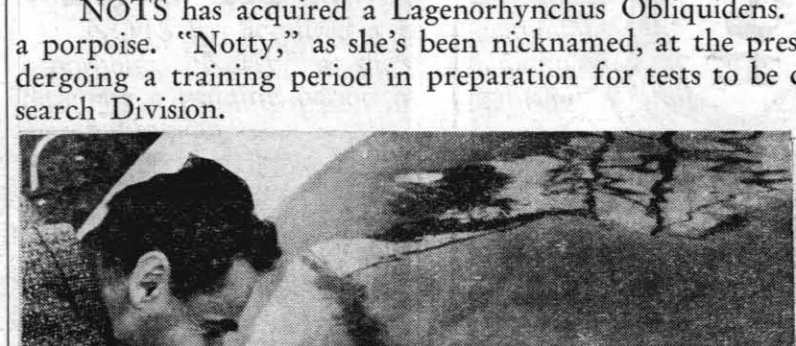
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News From Pasadena

"Notty" Prepares for Role To Aid NOTS Scientists In Study of Sea Animal Locomotion, Hydrodynamics



TICKLISH SITUATION—Moe Rosen of UOD's Propulsion Division tickles the chin of a porpoise at Marineland, similar to one acquired by NOTS for hydrodynamic and physiological tests in the study of sea-animal locomotion.

NOTS has acquired a Lagenorhynchus Obliquidens. In non-scientific language—a porpoise. "Notty," as she's been nicknamed, at the present time is at Marineland undergoing a training period in preparation for tests to be conducted by the Oceanic Research Division.

Highlights of the course will be: a consideration of the language development of children; an analysis of types of experiences and procedures which foster growth in effective speaking and writing; diagnosis of individual needs in language expression and the development of creativity in writing; and the place of literature in a developmental language program.

The first class meeting will be held in the auditorium of the Vieweg School, from 7 to 10 p.m. next Friday, Feb. 26. Dates and hours for the subsequent meetings will be arranged that evening, at the convenience of the students and the instructor.

Students may register for this course in the Vieweg Auditorium from 6:30 to 7 p.m. on Friday, immediately preceding the first class meeting. Payment of fees in full constitutes official enrollment.

Since a minimum enrollment of 15 is required to continue the course, all interested students are urged to register at the first class meeting.

Local Shriners Plan Annual Installation The Desert Shrine Club will hold its annual installation and dinner dance Saturday evening, Feb. 27, at the Community Center.

The club, headed by Noble Jack Sampson, president-elect, will be host to the Illustrious Potentate, Melvin A. Pixley, and his Divan of Officers of Al Malaikah Temple, AAONMS, Los Angeles.

The officers to be installed are the Nobles Jack Sampson, president; Dr. J. Lowell Hammond, first vice-president; Giles Walker, second vice-president; J. R. Sholes, secretary; and T. W. Underwood, treasurer.

The retiring president, Noble Clarence "Pappy" Pike, was appointed Club Ambassador and Noble Al Adams, Master of Indian Wells Valley Lodge No. 691, F and AM, was appointed Temple Aide by the Potentate.

Music for the dance will be furnished by the Dixieland Jazz Band from Los Angeles.

Men's Fellowship To Hold Box Social Next Wednesday An old-fashioned Box Social, sponsored by the Men's Fellowship of the NOTS Community Church, will be the feature of the next meeting Wednesday, Feb. 24.

Ship Open House The destroyer USS Shelton will be open for visitors this weekend, Feb. 20-21, from noon to 4 p.m., at the Long Beach port.

Promotional Opportunities Electronic Engineer (Ordnance), GS-9 or GS-11, PD No. OP55002, Code P5511.

Enlisted Men Promoted Crewmen of the USS Butternut have been advanced to Rate as follows:

Housing List Deadline Nears February 29 is the last day on which applications will be accepted for the new housing list covering the period from April 1 to September 30, 1960.

Wed. Noon Program "Nature's Half Acre," a Walt Disney program, will be presented at the Feb. 24 noon entertainment program in Building 7.

Gems of Wisdom You can't outlaw gambling as long as marriage is legal.

There is nothing so frightening as ignorance in action.

Notty is being taught to accept prepared food, to glide on signal, swim at top speed on signal, accept body rings, swim past poles and through bubble and light screens, and to accept dye patches on her skin.

Later, she'll be transported to Convair San Diego to a testing tank where NOTS personnel will carry out, under carefully controlled conditions, hydrodynamic and related measurements.

Measurements of hydrodynamic performance will include peak velocity and acceleration, rate of velocity decrease during glide and hence drag coefficient, and flow patterns in the boundary layer. The top speeds with various size drag rings will help determine power available.

Physiological Study Another phase of the investigation will be physiological studies, including physical, anatomical, and metabolic measurements.

Physical measurements will include such items as length, circumference, volume, surface area, density, weight, and abnormalities. Anatomical studies, on a deceased porpoise at Marineland, will consist of dissection to determine the muscle weight ratio and a histological study of the skin related to its possible passive or active damping role in keeping the boundary layer laminar.

Also under study will be the muscle characteristics, the metabolism rate—to be determined from measured values of heartbeat, respiration, and skin temperature—and the muscle efficiency and theoretical power per pound of muscle.

In addition, the acoustic signals emitted by the porpoise and acoustic organs capable of furnishing a sonar vision to the animal are also investigated.

Should Explain Mysteries According to personnel of the Oceanic Research Division, the physiological and hydrodynamic studies should help explain some of the "mystery" of sea animal locomotion and possibly may contribute to the reduction of skin friction drag on torpedoes.

Chest X-Rays Set For All Employees The Mobile X-ray Unit will make its annual visit to the Poothill facility Tuesday through Thursday next week, Feb. 23, 24 and 25.

Employees will receive IBM cards with their time cards today. These cards are to be filled in by the employee and taken with him when reporting for the chest x-ray.

Cards have been mailed to military personnel for completion by them and their dependents who are included in the survey. Children over ten years of age are eligible for x-ray.

X-rays will be scheduled alphabetically according to last name, as follows:

Tuesday, Feb. 23 A-G 8:30 a.m.-12 Noon H-M 1:4 p.m.

Wednesday, Feb. 24 N-T 8 a.m.-12 Noon U-Z 1-2 p.m.

Thursday, Feb. 25 L-B, MD, and ONR (Green Street) Personnel 8 a.m.-12 Noon Retakes and Stragglers 1-3 p.m.

Supervisors are responsible for employees reporting during designated hours, or if inconvenient, at one of the other times listed above. No provisions can be made for x-rays of employees on leave or on temporary duty elsewhere.