

# Songfest by Grand Land Singers, cake cutting ceremony planned

The Navy's birthday cake will be ushered in with rousing song and gay celebration when the widely acclaimed Grand Land Singers appear in concert at the Naval Weapons Center Theater tomorrow night, just prior to the official cake cutting ceremony that will be presided over by Rear Admiral R. G. Freeman III, NWC Commander.

The huge cake, which will be appropriately decorated and baked by the NWC Food Services Division, will be the center of attention at the ceremony, during which Marines dressed in four different period costumes, will act as honor guards. Lt. Col. E. C. Paige, Jr., NWC's Marine Corps Liaison Officer, is in charge of the ceremonies.

Sideboys for the affair will be Capt. C. B. Olson, Commanding Officer of the Naval Air Facility; Capt. R. E. Livingston, Commanding Officer of Air Test and Evaluation Squadron Five; Cdr. J. L. Uhe, Assistant Public Works Officer; Cdr. James E. Baker, Deputy Director of Supply; Lt. Col. Ross Plasterer, USMC; Lt. Col. Joseph O'Brien, USMC; Lcdr. E. W. Brooks, Assistant Technical Officer for Surface Weapons; and Lcdr. W. J. Irwin, Officer in Charge of the Explosives Ordnance Detachment at NWC.

During the cake cutting ceremony, a 16-piece drum and bugle corps from Camp Pendleton's 1st Marine Division, will provide background music.

Lt. R. F. Nielsen, NWC's Communications Officer, will be in charge of the cake escort. Other members of the escort are BM2 Mike Freiley, ETNSN Mike Fitzgerald, and SN Ed Cartwright. The cake escorts will be dressed in Navy uniforms of the 1812 era.

After the cake is cut the first two slices will be given to the oldest and youngest sailor present. They will be AVCM Italia F. Birkinsha, a member of the Women's Navy who is the oldest sailor stationed at NWC, and the youngest, ABHAA Brian Libby.

Following the on-stage ceremony, the 250-lb. cake will be wheeled outside where it will be cut and distributed to visitors. Punch and coffee also will be served.

The Grand Land Singers, a group of students from Cerritos College, will remind the audience of the special things which

make America great. Two different performances are scheduled — the first at 1:30 p.m., and the second at 7:30 p.m. The latter will be followed by the cake-cutting at 9.

The concerts are free to the public as part of the Center's four day birthday celebration honoring the 200th anniversary of the U.S. Navy. The group has been called

All those who plan to attend the 1:30 p.m. performance of the Grand Land Singers tomorrow at the Center Theatre are encouraged to eat lunch first at the NWC Main Galley, Barracks 880, where a traditional Navy meal will be served.

Or, luncheon also will be served at both the Chief Petty Officers' Club and the Commissioned Officers' Mess.

the most enthusiastic singing contingent in the United States today. Their show is a unique combination of song, narration, and crisp, imaginative choreography.

Four-time winners of the George Washington Medal of Honor presented by the Freedoms Foundation at Valley Forge, the Grand Land Singers have appeared at the Hollywood Palladium, and in concert on numerous high school and college campuses.

They also were featured at Expo '74, the 1974 World's Fair in Spokane, Washington, and at the Cherry Blossom Festival in Washington, D.C. Recently, the California State Senate unanimously adopted a Senate resolution commending both the group and its "Discover Your America" program.

The Grand Land Singers have been performing since June 1967, when a small group of young people united to do something positive for their country. The vocal music group is composed of 80 young adults who perform under the auspices of the Church of Jesus Christ of Latter-day Saints' Institute of Religion at Cerritos College in Cerritos Calif.

### Homes to be painted

Residents whose homes have not been painted within the last five years who wish to have this done are asked to call the Housing Office, NWC ext. 3122 or 2082, to be placed on a list for scheduling.



## Schedule of Events Friday, Oct. 10 — Navy Uniform Day

Noon ..... Official opening ceremonies, Administration Bldg. lawn  
8 p.m. .... Dance by Cactus Squares at Community Center  
9:30 p.m. .... Dance at Chaparral Club

## Saturday, Oct. 11

8 a.m. .... Ham radio talks at Community Center  
9 a.m. .... Weapon Exhibit Center and Maturango Museum open until 5 p.m.  
9 a.m. .... Petroglyph Canyon tour  
9 a.m.-4 p.m. .... Guided tours, demonstrations at Fire Station No. 1  
11 a.m.-4 p.m. .... NWC Main Galley serves traditional Navy meal  
11 a.m. .... CPO Club and COM open to public for lunch  
1:30 p.m. .... Grand Land Singers at Center Theater  
2 p.m. .... Old Timers' Softball Game, Reardon Field  
5:30 p.m. .... CPO Club, COM open for dinner  
7 p.m. .... Grand Land Singers at Center Theater  
9 p.m. .... Navy Birthday Cake Cutting at Center Theater  
9 p.m. .... Dance at Commissioned Officers' Mess

## Sunday, Oct. 12 — Navy Chapel Day

1 p.m. .... Picnic and ice cream social on Administration Bldg. lawn  
Entertainment by nine different bands from local area; ice cream catered by Friends of the Museum

## Monday, Oct. 13, the Navy's Birthdate

7 a.m. .... Kiwanis pancake breakfast, east parking lot of the Community Center  
8 a.m. .... Flag raising ceremony, Administration Bldg.  
8 a.m. .... Ham radio talks to the world, Community Center  
9 a.m. .... Michelson Laboratory lobby open (until 3 p.m.)  
Marine Corps Bicentennial Paintings, Exhibits on NWC programs and facilities  
9 a.m.-3 p.m. .... Auto show, Michelson Lab east parking lot  
9 a.m.-3 p.m. .... Automotive clinic and manufacturers' display, Community Center  
9 a.m.-4 p.m. .... Fire Station No. 1 open for visitors  
9 a.m.-noon .... Navy films at Community Center (one showing each hour)  
9 a.m.-noon .... Maturango Museum and Weapons Exhibit Center open to public  
10:30 a.m. .... Model airplane demonstration, Naval Air Facility (Repeated three times before air show)  
11 a.m. .... CPO Club and COM open for lunch to public  
11 a.m. .... Static displays in Hangar 3 at NAF open  
12:30 p.m. .... Concert by 11th Naval District Band at NAF  
1:30 p.m. .... Air Show at NAF, featuring Blue Angels, Navy Parachute Team, search and rescue demonstrations  
Sundown (6 p.m.) .... Formal Retreat, Administration Building lawn  
6:30 p.m. .... No-host reception honoring air show participants at Commissioned Officers' Mess, public invited  
8 p.m. .... Dinner served at COM, reservations required

## Ham radio station operation to be part of Navy's anniversary fete

The most popular place at NWC this coming weekend will undoubtedly be the Naval Air Facility during the big air show set for 1:30 p.m. on Monday.

However, many other activities planned during this festive celebration of the Navy's 200th anniversary will be of interest to the general public.

One of the busiest will probably be the Community Center where a special Navy Bicentennial ham radio station will be in operation continuously from 8 a.m. to 10 p.m. tomorrow, Sunday and Monday.

This station, which has been assigned the special call letters of KY6NWC, will be used by operators and visitors to send messages to acquaintances residing anywhere in the United States, and, in some other countries, as well.

On display in the Community Center during this time will be moon bounce and satellite equipment set up for two-way communications. Equipment utilizing a repeater for location communications also

will be demonstrated to the visitors. This station has been operating a few hours each day since Sept. 13. More than 225 contacts have been made with other ham operators since that time, including 41 of the 50 states and 11 different foreign countries. The latter includes Korea, Japan, New Zealand, and a number of Central and South American nations.

U.S. Government Printing Office: 1975 - 494 N0338

From: \_\_\_\_\_ PLACE STAMP HERE  
To: \_\_\_\_\_



Naval Weapons Center  
China Lake  
California

Vol. XXX, No. 40

Oct. 10, 1975

INSIDE . . .

Birthday Celebration Begins ..... 2  
Air Show Set Mon. Afternoon ..... 3  
Anniversary Messages Received ..... 4  
Uniform Reflects Navy's Heritage ..... 5  
Navy History Reviewed ..... 6 & 7  
Family Picnic Slated Sunday ..... 8  
Petroglyph Tour Planned ..... 9  
Birthday Cake Ceremony ..... 12



# UNITED STATES NAVY 200th ANNIVERSARY OCTOBER 13, 1775 - OCTOBER 13, 1975

John Paul Jones said, "The first beginning of our Navy was so singularly small that I am of opinion it has no precedent in history."

Gen. George Washington, knowing the Navy would have the casting vote in the Revolutionary War, expressed the thought that "A constant naval superiority would terminate the war speedily; without it, I do not know that it will ever be terminated honorably."

How much hope, then, could Washington have entertained as the British Colonies in America drifted into war against the world's foremost sea power?

Britannia's fleet consisted at that time of 270 warships—including 100 powerful frigates and 131 ships-of-the-line. Colonial America did not possess even one warship.

In the autumn of 1775, the undaunted Washington organized a mosquito fleet of Marblehead fishing schooners. His message was brief: "At the Continental expense I have fitted out six. These are all manned by officers and soldiers."

Washington was supported by John Adams, who also saw the need for a Navy. The Continental Congress, at Adams' urging, appointed Silas Deane, John Langdon, and Christopher Gadsden to fit out two ships as its first official step toward creating a United States Navy. The date was Oct. 13, 1775.

Congress had been pleased with the results of Washington's "Navy." The schooners captured 35 British vessels in six months' time under the command of Commodore John Manley. Estimates made at that time showed that it would have taken the colonies 18 months to manufacture the quantity of munitions captured by Washington's "fleet."

Lt. John Paul Jones hoisted the first flag ever unfurled aboard an American man-of-war on Dec. 3, 1775. The ship was the Alfred. This vessel was soon joined by the Columbus, Cabot, Andrew Doria, and the Providence.

Later, the ships Hornet, Wasp and Fly were added to the Fleet. The first organized expedition of the Continental Navy set sail from Delaware Bay under the command of Commodore Esek Hopkins on Feb. 5, 1776.

Gen. George Washington's mosquito fleet of fishing schooners has grown from six ships to a powerful armada of 304 warships, 65 amphibious vessels and three mine warfare ships, as of Jan. 1, 1975.

These vessels sail under the flags of the Second, Third, Sixth and Seventh Fleets on the seas of the world.

As of June 30, 1975, the U.S. Navy's manpower strength numbered 537,300 personnel. Not included in this figure are another 36,730 members of the U.S. Coast Guard and 261 commissioned ships and boats that bear the Coast Guard insignia.

(Although the Coast Guard is not a part of the U.S. Navy, its duties and functions today are similar to those the U.S. Navy was carrying out in Washington's time.)

The Navy's present warship inventory includes 14 attack carriers, 6 cruisers, 29 frigates, 61 destroyers, 116 submarines, 14 patrol vessels, and 64 ocean escort ships. If Washington could only see it now!

Although the proud ships of this country are designed to make war—the Navy's first and foremost mission is that of "keeping the peace."

On July 6, 1963, while standing on the mighty carrier USS Kitty Hawk, President John F. Kennedy restated an ancient truth: "Events of October 1962 (the Cuban missile crisis) indicated, as they have all through history, that control of the sea means security. Control of the seas can mean peace. Control of the seas can mean victory. The United States must control the seas if it is to protect its security."

This peacekeeping role has been met by the Navy in a variety of ways, from sea superiority to air power, from nuclear-fitted ships and submarines, to research and development on land bases—such as the Naval Weapons Center—far from any ship or seaport.

The truth spoken by ex-President Kennedy has served America well from 1775 to the present. It becomes dramatically clear in world wars like the two fought in this century. Never in history, however, as the United States stands on the nuclear brink, has the effect of seapower been more critical to man's future; and never has it been exercised more often than in so-called years of peace.



TWO PERFORMANCES SCHEDULED HERE — The enthusiastic Grand Land Singers will appear at the NWC Theater for two performances tomorrow as part of NWC's 200th Navy birthday celebration. The vocal music concerts, which are free to the public, are scheduled at 1:30 and 7 p.m. Following the evening performance, a traditional birthday cake will be cut and served, with appropriate pomp and ceremony, to celebrate the Navy's 200 years of proud service to the nation.



**BELL SOUNDED** — Capt. R. D. Franke (r), NWC's Deputy Commander, and Capt. W. F. Daniel, Public Works Officer, look over the huge ship's bell from the aircraft carrier USS Bennington which played an important part in the official opening ceremonies that were held at noon today on the lawn of the Administration Bldg. Capt. M. R. Etheridge, a former Commander of the Center, brought the bell here during his tour of duty. At that time, he intended to have it installed at Bennington Plaza, which is named for the ship. Capt. J. B. Sykes (NOTS Commander from August 1945 to November 1947) was Skipper of the vessel just prior to being assigned to China Lake, and was responsible for the naming of the plaza area where several business places, the Center Theater, and Center Library are located. —Photo by Ron Allen

## Navy Material Command faced with potential RIF in high level posts

Due to recent reductions in funding and ceiling, coupled with added requirements for high priority programs, the Naval Material Command is faced with potential reduction in force actions for high grade positions (GS 13-15) by the end of the fiscal year.

In order to lessen the impact of these reductions, the Chief of Naval Material has taken steps to reduce the number of occupied positions without resorting to reduction-in-force procedures. One recent action was a freeze in July on filling and promoting to high grade positions. Also in July, the CNM requested "early out" retirement authority from the Civil Service Commission.

On Sept. 24, 1975, the Civil Service Commission approved the "early out" retirement authority for the period from Sept. 24 through Dec. 31, 1975. The eligibility provisions are as follows:

1. The employee must be in grade GS-13, 14 or 15 and must have been on the rolls of the Naval Material Command prior to July 14, 1975.

2. The employee must be 50 years of age and have completed 20 years of service, or, the employee must have completed 25 years of service regardless of age.

It should be noted that the annuity payable under this authority is reduced by 1/6 of one percent for each full month the employee is under age 55.

All personnel are reminded that this retirement is truly voluntary on the part of the employee and that the employee must not be directly or indirectly coerced to use this authority.

Any questions pertaining to "early out" retirement should be directed by individual employees to their Personnel Management Advisor.

## First count shows \$10,800 raised for support of '76 CFC

A total of \$10,800 was raised in payroll deduction pledges and outright gifts during the first week of the 1976 Combined Federal Campaign, which began on Wednesday, Oct. 1.

Ralph Schwarzbach, CFC chairman for the Naval Weapons Center, urged all civilian employees and military personnel to return their pledge cards or contributions as soon as possible to the campaign representative for their department or organization in order to move the fund drive along to a successful conclusion at the earliest date possible.

Support of the Combined Federal Campaign will help with a wide variety of charitable, health and beneficial youth-oriented programs including 16 member agencies of the United Way of Indian Wells Valley, 9 National Health and 6 International Service agencies.

## NWC invites public to join in celebration of Navy's 200th birthday, Oct. 10-13

Marked by its beginning at noon today and continuing into the evening hours Friday through Monday, the Naval Weapons Center will open its gates to the public for what will be the most extensive and significant celebration ever held in the 32-year history of the U.S. Navy at China Lake.

The occasion is the observance of the Navy's 200th birthday on Oct. 13, combined with the launching of NWC's participation in the nation's Bicentennial fete.

The first raising of the Bicentennial flag at China Lake at noon today on the flag pole in front of the Center's Administration Building officially launched the four-day celebration. A color guard of Navy men attired in uniforms of the 1812 era took part in the ceremony, which began promptly at the sounding of 8 bells (12 noon Navy time) and was accompanied by the firing of a 21-gun salute from the ceremonial cannons emplaced at the corner of Blandly Ave. and Knox Rd.

After that, a wide variety of special events are scheduled (for date, time and place see schedule on Page 12) from tonight until Monday evening when a no-host reception and dinner honoring the principal participants in that afternoon's air show will be held at the Commissioned Officers' Mess.

To illustrate the Navy's impact on the high desert communities of the Indian Wells Valley, all active duty, reservists, and retired Navy and Marine Corps personnel have been asked to wear their uniforms today, which has been designated "Navy Uniform Day," and also to wear them again to religious services on Sunday.

As a souvenir of this historic occasion, a special Naval Weapons Center brochure has been published and commemorative medallions have been struck as mementos of both the 200th anniversary of the U.S. Navy and the nation's Bicentennial celebration which is currently in progress.

The brochures, priced at \$1 each, and bronze copies of the medallions (\$2 each) will be on sale at the Maturango Museum and at a number of other locations around the Naval Weapons Center this weekend.

## NWC 'Bluejacket of Month' honor bestowed on DP3 Darryl Maresch

Data Processing Technician Third Class Darryl B. Maresch, a computer programmer attached to the Air Test and Evaluation Squadron Five, has been singled out as the "Bluejacket of the Month" for October.

DP3 Maresch's selection is of special significance this month — as the U.S. Navy will celebrate its 200th anniversary on Monday. The October Bluejacket per-

he was sent to data processing school, which was also held at the Naval Training Center in San Diego.

After his schooling, DP3 Maresch reported to China Lake, arriving here on Sept. 28, 1973.

He was chosen to represent VX-5 during this special month because of his outstanding devotion to duty, high level of job performance, military appearance and bearing, and contribution to his command.

"DP3 Maresch has achieved notable expertise in the fields of data processing and computer programming," said Lt. Terry J. Allen, VX-5's Data Processing

(Continued on Page 9)



DP3 Darryl B. Maresch

sonifies the "new" Navy, which is composed of men who do more than just go "down to the sea in ships."

DP3 Maresch's duties as a computer programmer — something that was not even heard of in the days of John Paul Jones — goes hand in glove with the modern-day image of the Navy: intelligent, educated, sophisticated, highly trained, elite.

The Janesville, Wis., native is a graduate of Beloit Memorial High School in Beloit, Wis. Prior to entering the Navy, DP3 Maresch studied for one year at the University of Missouri at Rolla.

He enlisted under the CACHE program in January 1973 and reported to San Diego in May of that year for his boot training. Following his completion of that training,

## 200th birthday to commence with flag raising ceremony

A special flag-raising ceremony will be held at 8 a.m. Monday at the flagpole in front of the Administration Bldg. to commemorate the official birthdate of the U.S. Navy.

Local veterans' organizations will participate in the ceremony, and the VX-5 Sea Cadets' color guard will be present. Veterans groups that will be represented are the Veterans of Foreign Wars, Pearl Harbor Survivors Association, Fleet Reserve Association, High Desert Detachment of the Marine Corps League, the American Legion, and the American Legion Auxiliary.

Members of the Father John Crowley Council of the Knights of Columbus also will participate in the program.

In addition, the Burroughs High School Pep Band will play the national anthem and the "Battle Hymn of the Republic."

The same veterans' organizations, along with the Sea Cadets, are scheduled to take part in the formal retreat ceremony that will signal the conclusion of the four-day celebration at 6 p.m. on Monday.

Both ceremonies will be held adjacent to the flag pole on the lawn of the Administration Bldg.

## Luncheons, dinners, dances planned at clubs on Center

The three night clubs on the Naval Weapons Center — the Commissioned Officers' Mess, Chief Petty Officers' Club, and the Chaparral Club — will be sponsoring dances, staging receptions, and serving both luncheon and dinner to visitors during the four-day Navy birthday weekend that began today at 11 a.m.

The Chaparral Club will begin serving lunch today to the general public at 11:15 and will continue until 1 p.m.

Two dances are scheduled tonight. Fred Williams and the Sundowners, a country and western group from Edwards Air Force Base, will provide music for a dance at the CPO Club, beginning at 9 o'clock, and The McClintocks will tune up their instruments for a dance at the Chaparral Club tonight, beginning at 9:30.

### CPO, COM To Serve Lunch

Tomorrow, both the CPO Club and the COM will serve lunch from 11 a.m. to 1 p.m. to the general public. Reservations are not required. However, tomorrow evening, reservations are requested from persons who expect to eat dinner at either the CPO Club or the COM.

The COM will serve a special menu tomorrow for dinner, consisting of roast beef au jus, creamed horseradish, filet of Dover sole, smoked Virginia ham with Mandarin sauce, and all the trimmings. The price is \$7.50 per person, with children under 12 years of age served for half price.

The Good Times Band will provide music for a dance at 9 p.m.

The CPO Club's manager — George Barnard — stated that prime rib will be the specialty for tomorrow night's dinner. "We are open to anyone who wants to eat, although we would like reservations, please," Barnard said.

### Dance at CPO Club

Following dinner at 9 p.m., Williams' country and western group will again play for a dance at the CPO Club.

All three clubs will remain quiet during Sunday's observance of the 200th birthday, although they will be open to members and their guests.

On Monday — the Navy's official birthdate — the COM and CPO Club will again provide lunch for the public, beginning at 11 o'clock at both clubs.

The COM also will serve dinner (again, reservations requested) to the public, beginning at 5:30. In addition, a reception at the COM (open to adults only) will provide an opportunity to meet participants in the air show.

During the reception, the Women's Auxiliary of the Commissioned Officers' Mess will serve hors d'oeuvres.

The COM is located at the east end of Blandly Ave. situated between Essex Circle and Lexington Ave. The CPO Club is directly opposite the Fire Station No. 1 on the corner of Lauritsen Rd. and King Ave. The Chaparral Club can be found by turning south on a road located just east of Building 60 on Blandly Ave. The club is located in the middle of a complex of buildings and just behind the Auto Hobby Shop between Halsey and Blandly Aves.

## Community Council meeting set Tues.

A discussion about the local area's alcoholic rehabilitation program will highlight next week's meeting of the China Lake Community Council's board of directors.

The meeting, which is open to all interested persons, will begin at 7:30 p.m. Tuesday in the Joshua Rm. of the Community Center.

Guest speaker will be Gene St. Amand, a counselor at the Desert Counseling Center and coordinator of the DCC's Substance Abuse Program.

In addition, there will be a report by Jim Walden on the first draft of a proposed revision of the Community Council by-laws.

## Navy man in the spotlight



John Paul Jones

When his brother died in late 1774, he reappeared to share in the estate and met Joseph Hewes, of North Carolina, a member of the Continental Congress, who induced him to go to Philadelphia. That led to his commission.

Jones was given command of the sloop Providence in 1776 by Adm. Hoskins after the captain was court-martialed. During a six-week cruise later that year, Jones outwitted two British frigates and captured six brigantines and two sloops, while sinking eight more ships. He brought the Providence safely into Rhode Island on Oct. 7, 1776, to a hero's welcome.

He was transferred to the Alfred with his entire crew in November 1776 and sailed for Nova Scotia. Capturing two more prizes, Jones set sail for Boston and outmaneuvered two British man-of-war vessels to gain port safely.

Meanwhile, Congress placed him 18th on the priority list, preceded by a number of captains who had entered the service after he had. This was an injustice that rankled in his mind for many years.

As captain of the newly-outfitted Ranger

Tragedy dogged the footsteps of John Paul Jones, famous U.S. Navy leader and pioneer, for most of his life.

A man of action, foresight and initiative, Jones was appointed by Congress in the fall of 1775 to the rank of senior lieutenant in the new Continental Navy.

It was he who first raised the Grand Union Flag on his ship, Alfred, in the fleet commanded by Esek Hopkins. When this fleet sailed to the Bahamas in March 1776, Jones' knowledge of the topography of the islands contributed greatly to the bloodless capture of New Providence, where a large quantity of ordnance was stored.

### Became Master of Own Ship

Jones had learned that topography during several voyages to Tobago — first as second mate on a Jamaica-owned slaver brigantine, and later as master of his own vessel.

Jones quit the slave trade after two years and took passage at Jamaica for his home in Scotland. During that voyage, the master and chief mate died of fever and Jones brought the ship safely home. He was appointed master of the ship and ran into trouble during a voyage to Tabago in 1770.

A carpenter, whom he had flogged for laziness, deserted, shipped on another vessel, and died. When Jones — then known by his real name, John Paul (he was born the son of a Scottish landscape gardener in Kirkbean, county of Kirkcudbright), reached Scotland, he was arrested on a charge of murdering the carpenter. Released on bail, he sailed for the West Indies, hunting evidence to disprove the charge.

### Misfortune Strikes

It was during a series of voyages to the islands that he gained the knowledge that assisted Admiral Hopkins. It was also during this search that the "great misfortune" of his life occurred. In December 1773, he killed the leader of a mutinous crew and fled rather than await a future sitting of the Admiralty Court. He changed his name to John Paul Jones and dropped out of sight for the next two years.

## Three movies will be shown Monday morning at Community Center

Three color motion picture films are on tap Monday, from 9 a.m. until noon, at the Community Center as an added attraction of the Navy's 200th anniversary celebration at China Lake.

The movies are entitled "Blood, Ink and Oil," a film about combat artists; "Upper Hand," which presents background information on the need for the Navy Laboratory system, and "Evening Colors," a concise review of the history, mission and

major facilities of NWC.

"Blood, Ink and Oil" combines paintings from the Navy's Combat Art Center in Washington, D.C., with interviews and historical footage to portray World War II through the eyes and art of combat artists.

"The Upper Hand" was made for the Director of Navy Laboratories and directed by Everett Baker, a retired former employee of the NWC Technical Information Department's Presentations Division. It is

designed generally to explain what the Navy Laboratories have done, are doing, and why they help the Navy to meet present-day challenges.

"Evening Colors" was produced by personnel of TID's Film Projects Branch. It offers viewers a look at the Naval Weapons Center in terms of research and development facilities and capabilities.

There will be a complete showing of these three films starting at 9, 10 and 11 a.m.

sophisticated aircraft which they have built. The purpose of the Valley Vultures is to promote model aircraft building and flying in the Ridgecrest and China Lake area and to provide the technical facilities that go along with the hobby. Members of the club often may be seen flying their miniature marvels on the southeast corner of Mirror Lake.

The model aircraft demonstration will precede the big air show that will start at 1:30 at NAF. Visitors to the Naval Air Facility might also want to look over the static displays of past and current Naval aircraft that will be on hand in Hangar 3, beginning at 11 a.m.

**5-day stop smoking plan course to begin Sunday**

A five-day stop-smoking plan course, open free of charge to all interested persons, will begin Sunday, starting at 7:30 p.m., at the High Desert Seventh-day Adventist Church, 555 Las Flores Ave. in Ridgecrest.

Two-hour sessions are planned each evening (from Sunday through Thursday, Oct. 16).

The Rev. Richard Shaddock, pastor of the local Seventh-day Adventist Church, will be in charge, assisted by Dr. Paul Mayberry and Dr. Roger Anderson, two Ridgecrest



COAST GUARD VISITOR — RAdm. R. G. Freeman III, NWC Commander (r), presented an NWC plaque to RAdm. A. H. Siemens, USCG, during the flag officer's recent visit to the Center. RAdm. Siemens, who is Chief of the Office of Research and Development at the Washington, D.C., headquarters of the Coast Guard, was at China Lake to witness fuel-air explosive tests and receive technical briefings.



By Jack Lindsey

One of the many special events scheduled during the 200th anniversary celebration at NWC this weekend will be the annual "Old-Timers' Softball Game," which is set for tomorrow at 2 p.m. at Reardon Field.

The old-timers' team will be staffed by men who are 35 years of age and above and the roster includes players from past and current softball teams in the Intramural Fast Pitch League.

Billy Brown, who has been pitching since 1950 in this league, will coach the team. He will be joined by such illustrious names (locally) as Denny Crager — a man who struck out only twice in his long career — and Buddy Deffes, Bobby Kochman, Frank Carson and Drex Molder.

Also included on the roster will be Rich Clodt, Bob Hooper, Bob Crawford, Bert Andreasen, Bill Underwood, Pete Zammaron, Chuck Newmyer, Lowell and Lew Radcliff, Bill Martin, Earle Roby, Roger Short, Max Smith, Floyd Castillo, Bert Galloway and Pete Klassen.

Surprisingly enough, the old guys usually win. This year, however, they will have their work cut out for them. A number of very fine young ballplayers have come up through the Little League and high school teams over the years—most of them coached by some of the men on the opposing roster—and they are the favorites to win this time.

Captained by Mark Stoner, the under-35 team is composed of Al Hiles, Tony Scanlon, Mike and Marty Stoner, Jeff Radcliff, Mike Sorge, John Martin, Randy Klassen, Jerry and Tom Mather, Ken Paisano, Herb Pinto and Wayne Wooten.

No matter who wins, the Old-Timers' Softball Game should be fun to watch. Fans are advised to arrive early to get a seat. There is no admission charge.

### Whiteside rips pins; tops Premier League

Benny Whiteside pounded out a 676 series — the highest three-game set recorded in the young season thus far in the Premier League — to lead all bowlers last Monday night.

Whiteside's series consisted of single games of 212, 264 and 200. Two other bowlers — Leroy Canfield and Aaron Kane — recorded series scores of 620. Terry Miles notched a 615 series while Ed Donohue and Chuck Cutsinger scored with three-game sets of 610. Thad Brightwell recorded a 603 series.

### Two teams tied for flag football lead

The Homestead and NAF Hawks elevens are tied for the lead in the China Lake Intramural Flag Football league with identical records of 4 wins and 1 loss.

The Nav Crabs and VX-5 Vampire teams are also tied, with records of 1 win and 4 losses each.

In last week's action, the Hawks defeated the Crabs, 15-12, while Homestead dropped a 7-6 decision to the Vampires in a sudden death playoff game.



PICTURE PERFECT — Kenny Charlton (No. 35), Burros' fullback, moves forward to take a hand-off from Drew Martin, the team's quarterback, during last Friday night's rout of Quartz Hill High School, 34-6. Charlton gained 98 yds. rushing during the contest and blocked two punt attempts while playing defense.

## Burros defeat Quartz Hill Rebels in Golden League opener, 34-6

The Palmdale Falcons will go up against an explosive Burroughs High School varsity football team tonight on their home grounds, hopefully with more success than the Quartz Hill Rebels had last week against the Burros.

Defense was the key as the Burros romped to a 34-6 win in the opening game of the 1975 Golden League season with an eye toward the league crown. Last season, the Burros ended in a 3-way tie with the Rebels and Antelope Valley.

Horace Stanton scooped up a blocked punt engineered by Ken Charlton and scored 13 yds. for the Burros' first TD with less than two minutes played in last Friday night's ball game. Mark McDowell added the PAT and the local team led, 7-0, which carried over to the end of the first period.

At the beginning of the second quarter, the Burros marched 70 yds. in seven plays with halfback Steve Blanche scoring on a 47 yd. run over the right tackle position. Again, McDowell added the PAT and the Burros went into the locker room at halftime with a 14-0 advantage.

The Falcons' only score came at the beginning of the third quarter following two 15-yd. penalties against the local squad, and a recovered fumble. However, the Burros bounced back.

They took the Falcon kickoff 61 yds. in seven plays to hit the end zone again. This time, the scoring effort was a 37 yd. run on a quarterback keeper by Drew (Ootsie) Martin. McDowell, who was injured in the second period and only gained 33 yds. rushing during the game, added the PAT to

give the Burros a 21-6 lead.

Less than two minutes later, Charlton, the Burros' fullback, blocked another punt attempt that was recovered by the local squad on the Quartz Hill 5-yd. stripe. Charlton then drove over right tackle for a TD and 6 more points two plays later.

With the score 28-6 in favor of the local team, the final tally of the game came on the first play of the fourth period when Rick Francis, a reserve halfback, skirted his own right end from 2 yds. out for the TD.

The game ended with the Burros on top, 34-6.

Bruce Bernhardt, head coach of the local team, was happy with the overall showing, and especially pleased with the efforts by the Burros' defensive squad. The Rebels were held to 158 yds. in total offense. The visitors gained 37 yards through the air and 121 net rushing yards.

The local team racked up 252 yds. on the ground and 40 yds. via the airways. Quarterback Martin attempted only one pass during the evening. It was completed to Mike Hicks for the aforementioned 40 yds.

Charlton toted the pigskin for 98 yds. on 18 carries, while Blanche picked up another 80 yds. on 13 carries. The injured McDowell carried the mail only five times for a total of 33 yds. Martin gained 56 yds. on six carries, running the option play to perfection nearly at will during the course of the game.

The Falcons dropped their opening game of the season last week to Antelope Valley by the lopsided score of 41-6.

## Duo from Edwards AFB wins Invitational Golf Tournament with net of 124 strokes

Tom Cole and John Morris, two visiting golfers from Muroc Lake golf course at Edwards AFB, shot the low net score to win the 14th annual China Lake Invitational Golf tournament, held last weekend.

### Tryouts set Tues. at Center pool for local swim team

Tryouts for the Indian Wells Valley Swim Team will be held on Tuesday at the gym swimming pool.

All new swimmers interested in trying out for the team should be at the pool by 3:30 p.m. At the same time on Thursday, Oct. 16, a practice session is scheduled for all returning swim team members.

A \$5 registration fee will be collected from all swimmers on both dates. Pool membership also is required. Memberships can be purchased at the business office any day between the hours of 9 a.m. and 2 p.m.

Due to the retirement of Carol Chatterton, the swim team's mentor for the past 18 years, a screening committee is now interviewing applicants for the head coach position. A new full-time coach will be on duty in early November.

The two Air Force men recorded a round of 61 on Saturday (low net at the end of the day) and a 63 on Sunday for a 124 total. Ross Plasterer and Doug Lindquist, both local golfers, were the runner-up team, scoring a 127 total for the 36 holes.

Two teams were tied for the third place spot. They were Capt. C. B. Olson and Al McDonald, and the team of Keith Becker and Dick Tolkmitt. All four golfers are from China Lake.

The low gross prize was won by Jim Anderson and Max Smith, who posted a 142 total. Roy Joseph and Chuck Mills, from the Mt. Whitney Country Club in Lone Pine, recorded a 143 for the two days to pick up the second low gross prize.

Mills and Joseph also won the special "horseshoe" tournament trophy. Paul King was the winner in the long drive contest, smacking the ball — with accuracy — 250 yds. Art Karrer was closest to the hole on Saturday, and Bob Metz won a similar prize on Sunday.

According to Curt Bryan and Gary Castor, co-chairmen of the event, the tourney was a huge success. A total of 36 teams entered and 11 net prizes and 2 gross prizes were distributed.

### Wilt's Corner

## Judo Club obtains services of expert to teach classes

The China Lake Judo Club, under the co-sponsorship of NWC Special Services, has obtained the services of M/Sgt. Ernie Smith, who is stationed at the Marine Corps Supply Base in Barstow, as an instructor.

Smith, who has 16 years teaching in the field, is an accomplished expert and has earned a 4th degree black belt. His titles include All Marine Corps champ four times, the 1974 All Marine Corps overall grand champion, and third place in the National Amateur Athletic Union Senior Masters Competition last year.

The club meets on Mondays from 5 to 9 p.m., and on Wednesdays from 7:30 to 9:30 p.m. in the Youth Gym.

### Tourney Results

Seven club members participated in the monthly "Shiai" tournament held at Barstow on Sept. 27. They were John O'Brian, Alan Schultz, Warren Harter, Leslie Leckey, Tom Lamb, Tim Jensen and Robert Black.

Miss Leckey, 13 years old, was second in the girls' 13 to 16 division. She was the national 12-year-old champ last year and nearly won a close decision over an opponent who holds a national brown belt rating.

Black placed first in the boys' 9 to 10-year-old division, by defeating all five of his opponents.

### Racketball Competition

John Gonzales was the victor in an elimination racketball tourney held Oct. 3, 4 and 5 at the gymnasium.

Gonzales defeated Mike Dunn, 31-28, for the title. I was the second runner-up, losing two matches to Dunn — the first 31-16, and the second, 31-12. Gonzales has now earned the right to travel to March AFB later this month for the MDISL Minor Sports Carnival. However, he is not expected to go.

Instead, the team will consist of myself, Dunn and Phill Fussum.

A singles only handball tournament will be held to select the best players for the MDISL Minor Sports Carnival, which is scheduled Oct. 24 to 26 at March Air Force Base in Riverside.

The local elimination tournament will begin next Friday, Oct. 17. It is limited to active duty military personnel and NWC civilian employees, including contractor personnel.

All persons who desire to enter should contact the gymnasium before next Wednesday, Oct. 15.

### Fall Tennis Tournament

Tennis players, the annual fall singles and doubles championships will be held on Oct. 25, 26 and 27. This tourney is open to all residents of the Indian Wells Valley, Searles Valley, and their dependents.

Entries are now being accepted at the Youth Center, and the deadline is Tuesday, Oct. 21. For more information, contact Bill McBride by calling NWC ext. 3040, or Charlene Newmyer at 446-2845.

## Track Club to hold 10KM road race

Entries are now being accepted for the annual 10 kilometer road race, to be sponsored by the Over-the-Hill Track Club on Saturday, Nov. 1, at China Lake.

Persons interested in competing in this event may wait to register on the morning of the race, which begins at 11 o'clock. Sign-ups will start at 10 a.m.

Individual awards for the 10 fastest finishers will be presented, along with awards for the top five finishers in five separate age groups. Ribbons will be presented to all finishers of the race.

An entry fee of \$2 for members of the local track club will be charged. All others must pay \$3.

This meet, which will be run over paved roads located on the Naval Weapons Center, is being co-sponsored by the Amateur Athletic Union.

## Navy Parachute Team ready to display skills

They fly through the air with the greatest of ease... Under colorful canopies instead of on a trapeze.

These "daring young men" are members of the Navy Parachute Team from the Naval Amphibious Base in Coronado. They are under the command of the Commander, Naval Inshore Warfare Amphibious Group, Eastern Pacific.

So unique is their spectacular demonstrations of formation free-fall parachuting that requests come from military and civilian organizations around the country for their presence at special celebrations and air shows.

### To Participate in Air Show

The Naval Weapons Center has been fortunate to arrange for a demonstration from this highly skilled team during the big air show that will be held on Monday at the Naval Air Facility as a highlight of the Navy's 200th anniversary weekend which began today at noon with special opening ceremonies.

Set to start at 1:30 p.m., the air show also will feature the famed Blue Angels, and pilots from NAF and VX-5 flying helicopters in a demonstration of search and rescue techniques.

The Navy Parachute Team — originally called the "Leap Frogs" — dates back to 1962 when frogmen from the Coronado-based Underwater Demolition and Seal Teams thrilled Armed Forces Day spectators with a parachute drop onto the military center. They deviated from the strictly military parachute training they had received by attaching smoke canisters to their boots and emblazoning multicolored patterns against the sky, a trademark that has stayed with them.

### Rigorous Training Required

A rigorous training program prepares each parachutist for the precision movements and timing required during their performances. The free-falling chutists use their bodies, arms, and legs to accelerate from a relatively slow speed of 120 mph, to a head-down, breathtaking 200 mph, giving visual proof to man's ability to control his rate of descent.

By simply altering their body configuration, the chutists are able to perform such maneuvers as loops, rolls, spins and formation flying. "We can do almost anything an aircraft can do — except go up," said one veteran of the team.

Following their demonstration, the team members will be one hand for conversations with spectators about parachute handling techniques and other aspects of their demanding Navy profession.



JOINING UP — Members of the Navy Parachute Team are shown in the air above the Naval Amphibious Base in Coronado, where they are stationed. Members of the 12-man team are about to join hands while free-falling, a crowd-pleasing stunt they often perform at air shows such as the one here on Monday in which they will appear.



MEET THE BLUE ANGELS — Members of the 1975 Blue Angels flight demonstration team are shown in front of one of their Navy blue A-4 Skyhawk aircraft. They are (l.-r.): Lt. Jim Bauer (publicity man), Lt. Denny Sapp, Lt. John Chehansky, Capt. Bill Holverstatt, Cdr. Tony Less (Commanding Officer of the squadron), Lt. John Patton, Lt. Vance Parker, and Lt. Al Cisneros. The "Blues" will be available to answer questions and sign autographs following the air show on the NAF flight line, and again Monday night at the Commissioned Officers' Mess during a no-host reception for adults only.

## Blue Angels to perform here Monday

Visitors to the Naval Weapons Center during the next four days will have plenty to do and see. On Monday, however, most of them will keep looking at their watch so as not to miss 1:30 p.m.

That's the time when the big air show starts at the Naval Air Facility, and the celebrated "Blue Angels," the U.S. Navy's flight demonstration team, will perform their outstanding feats of aerial artistry.

The Blue Angels won't be the only attraction at the air show, but their appearance will probably be the most looked for among the visitors.

### Prelude to Air Show

Prior to the beginning of the air show at 1:30, RAdm. R. G. Freeman III, NWC Commander, and Capt. C. B. Olson, Commanding Officer of NAF, will address the crowd. Then the excitement will begin.

Trained intensively in precision techniques of aviation, the Blue Angels are known throughout the world for their thrilling aerial maneuvers. As Navy "ambassadors of good will," the Blue Angels perform their daredevil routines as a means of demonstrating the quality of men and equipment employed by the naval service.

For 29 years, the squadron has presented a faultless display of airmanship to what has now exceeded 122 million spectators.

Piloting A-4 Skyhawks, the members of the team will demonstrate methods and techniques that have been perfected over long hours of practice. The six aircraft in the demonstration will perform a prescribed sequence of maneuvers in three different patterns — a diamond of four

aircraft, two solo aircraft that oppose each other along the line of flight, and all six aircraft in the famous "delta" formation.

These precision maneuvers are coordinated and contain tactical techniques developed in practice and actual combat by Navy and Marine Corps pilots. In combat, these tactics might be flown at tree-top level, and on up to 60,000 feet. For the viewing convenience of the crowd, the "Blues" will bring the maneuvers down to a height visible to viewers on the ground.

Although these maneuvers seem dangerous to observers, the men who fly them are highly professional pilots who contain skills honed by thousands of hours in the air and many more thousands of hours spent learning the engineering, navigation, meteorology, and electronics that are second nature to the jet pilot of today.

### Part of Elite Group

The Blue Angel officer is part of a proud elite group. There have been less than 150 officers assigned to the squadron during its 29-year history. Today's Blue Angels are led by Cdr. Tony Less; who flies in the No. 1 position. He is the Commanding Officer of the squadron as well as flight leader.

Capt. Bill Holverstatt, USMC, flies in the No. 2 slot, on Cdr. Less' right wing. The Commander's left wing pilot, in the No. 3 position, is Lt. John Patton. Flying in the "slot" position — or the No. 4 spot in the

formation — is Lt. John Chehansky. Lt. Lt. Vance Parker flies lead solo pilot for the group. Lt. Denny Sapp is the No. 6 pilot and flies in the opposing solo aircraft. He is a former project pilot for the Naval Air Facility who was stationed here from December 1972 until he was accepted as a member of the Blue Angels in October 1974.

### Air Show Narrators

Cdr. R. B. Conklin, NAF's new Executive Officer, will narrate the air show except for the Blue Angel portion. Lt. Al Cisneros, who flies Plane No. 7 for the Angels, does all of the narration for the team's performances.

In order to be eligible to join the Blue Angels, an officer must first volunteer and he also must be career oriented. In addition, he also must have accumulated 1,500 hours flight in tactical jet aircraft. All members of the squadron spend two years as demonstration pilots before returning to operational assignment.

The Blue Angel enlisted crew also is carefully screened. Each individual on the crew must have proven his professional ability and personal ability and personal conduct during a one month trial period with the squadron. At NWC, a 25-man crew will accompany the Blue Angels to conduct careful maintenance and check-outs on

(Continued on Page 8)

## Reception planned for air show participants

The Naval Weapons Center will offer the public an opportunity to meet and talk with those "Navy ambassadors of good will," members of the Blue Angels and the Navy Parachute team, during a no-host reception at the Commissioned Officers' Mess, on Monday.

Beginning at 6:30 p.m., this occasion will allow adult guests to mingle with the air show's participants and with pilots of the Naval Air Facility and Air Test and Evaluation Squadron Five.

Anyone wishing to stay for dinner at the COM may do so, provided they have made

advance reservations by calling 446-2549.

Dinner will be served beginning at 8 p.m.

Immediately following the air show, the Blue Angels and the Navy Parachute Team will be available on the flight line at NAF where they will sign autographs and answer questions.

Although children will not be admitted during the cocktail period, they, too, will have an opportunity to obtain coveted autographs and find out what it's like in the demanding professions chosen by these Navy aerialists.

## Kiwanians to prepare pancake breakfast

Members of the Ridgecrest Kiwanis Club and the newly-organized Indian Wells Valley Kiwanis Club (a Tuesday morning breakfast club group) will participate in the activities of the Navy's 200th birthday celebration by sponsoring a pancake breakfast on Monday, from 7 to 10 a.m.

Those interested in getting an early start on what will be the biggest day of the four-day celebration will be able to skip breakfast at home and instead join their friends, neighbors and visitors at this alfresco event in the shade of trees adjacent to the Community Center's east parking lot.

The Kiwanians, assisted by members of the Key Club (Kiwanis-sponsored high school youth group), will prepare and serve a hearty breakfast of pancakes, eggs

(cooked to order), sausage, coffee, milk and orange juice.

Tickets, priced at \$1.50 per person for everyone five years of age and older, will be on sale at the breakfast, or can be obtained in advance from Kiwanis or Key Club members. All proceeds will be used to support various Kiwanis-supported youth and community projects.

Also on sale during the breakfast and later in the day at the Naval Air Facility will be replicas of the Colonial days tricorner hats, which call attention to the nation's Bicentennial observance.

The hats are priced at \$1.25, \$2 or \$2.75 (depending upon the model chosen), and the proceeds from their sale also will be used to help support Kiwanis projects.

# Navy Birthday Messages From Secretary of Navy

Two hundred years ago, on Oct. 13, 1775, the Continental Congress first authorized the outfitting of ships. The United States Navy was born of the necessity to defend the American coast line and to guard our nation's seaborne arteries of commerce. Our Navy has since been bred in the tradition of protecting American freedom around the world.

Today, as we celebrate the 200th anniversary of our Navy, let us remember the contributions and sacrifices of each member of the Navy family. During the darkest storms of war and the brightest calms of peace, each member of the Navy family has been devoted to the basic principles of our liberty and defending them through loyal Naval service.

It is upon this proud tradition of devotion that we of today's Navy must build to insure its continuation in the future.

J. WILLIAM MIDDENDORF II  
Secretary of the Navy

## Observations by CNO

This October 13th, Navy people around the world will pause to consider a very special moment in history. It will be a time of celebration and of reflection. It must also be a time of rededication to the principles and standards to which we as Navy men and women have solemnly held fast.

Two hundred years ago, our founding fathers authorized outfitting of our nation's first naval vessels. Since that time, history has recorded the valiant service of many great Americans dedicated to protecting our sea lanes and defending our freedom. They helped foster the great traditions — the fundamentals — upon which we continue to build our Navy today.

Let us remember that Navy Birthday is not a celebration reserved only for active duty Navy people. Rather, it is a time for the whole Navy family — active, retired, reservist, dependent and civilian employee — to join in this historic commemoration.

In so doing, let us be mindful also of the great challenges which lie ahead. We must remain steadfast in our mission upon which the future of this nation and its marvelous people will continue to depend.

J. L. HOLLOWAY III  
Admiral, U. S. Navy  
Chief of Naval Operations

## Message from RAdm. Freeman

This weekend, the Naval Weapons Center will be celebrating the 200th anniversary of the United States Navy.

The history of the Navy over the past 200 years has been marked by the courage, dedication, loyalty and self-sacrifice of Navy men and women who have served our nation in both peace and war.

Since 1944, the Naval Weapons Center has been a part of that growing tradition of service and all present and past military personnel and employees should take great pride in the contributions the Center has made to our Naval heritage. Our job at the Center is to support the Fleet and the dedicated men and women who serve at sea.

The motto of this Navy anniversary is "Building on a Proud Tradition." The need for a strong Navy has never been greater, nor has the need for the dedication and self-sacrifice necessary to make it so.

As we look forward to the future, I urge all of us of the Navy family in this community to join in the celebration which honors 200 years of devotion and service to our nation, and to re-dedicate ourselves to ensuring that our freedoms are maintained. We have every reason to be a proud nation and a part of a proud Navy.

The building of our country and Navy has, and will continue to be, fraught with dangers and uncertainties, but we can look back on a distinguished heritage, which has set the standards for that future, for our strength and purpose. The United States of America leads the world and that role will continue to increase as we enter our third century as a free and sovereign nation.

I would like to especially thank all those who have worked so hard to make the Navy's 200th Anniversary celebration a very special event here in the Indian Wells Valley.

R. G. FREEMAN III  
Rear Admiral, U.S. Navy  
Naval Weapons Center Commander

## The Rocketeer

Official Weekly Publication  
Naval Weapons Center  
China Lake, California

RAdm. Rowland G. Freeman III  
NWC Commander

Dr. G. L. Hollingsworth  
Technical Director

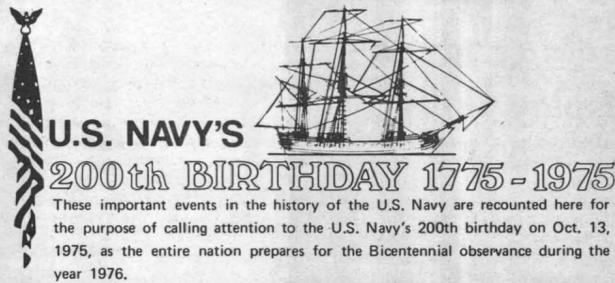
C. E. Van Hagan  
Head,  
Technical Information Department

Don R. Yockey  
Editor

Jack C. Lindsey  
Associate Editor

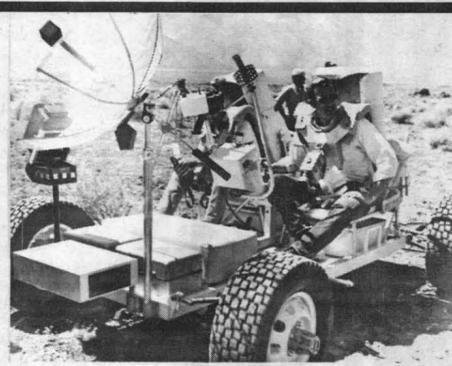
Ron Allen  
Staff Photographer

**DEADLINES:**  
Tuesday, 4:30 p.m.  
Tuesday, 11:30 a.m.  
The Rocketeer receives Armed Forces Press Service material. All are official U. S. Navy photos unless otherwise identified. Printed weekly with appropriated funds by a commercial firm in compliance with Nav Exos P35, revised January 1974. Office at Nimitz and Lauritsen. Information published in the Rocketeer does not necessarily reflect the official views of the Department of Defense.  
Phone: 3354, 3355, 2347



## U.S. NAVY'S 200th BIRTHDAY 1775 - 1975

These important events in the history of the U.S. Navy are recounted here for the purpose of calling attention to the U.S. Navy's 200th birthday on Oct. 13, 1975, as the entire nation prepares for the Bicentennial observance during the year 1976.



The seas of space challenge the United States Navy in its third century—a challenge touched already by Navy men who have walked on the moon. NWC's role has begun in this exciting exploration with its early air-launched satellite (the NOTS Project), the use of its facilities for part of the astronaut training (use of Coso Range for exercising the Lunar Rover, shown above), and the moon rocks sent here to be examined by China Lake scientists.

## Weapons Exhibit Center refurbished

In preparation for this weekend's celebration of the Navy's 200th birthday, there has been a general refurbishing of the interior of the Weapons Exhibit Center, as well as an updating of a number of the displays.

Located off Halsey Ave., adjoining the Maturango Museum, the Weapons Exhibit Center will be open to the public on Saturday, from 9 a.m. to 5 p.m., as well as on Monday, from 9 a.m. to noon.

According to Byron Butler, head of the Technical Information Department's Presentations Division, this has been the first major overhaul of this facility since the 25th anniversary of the Naval Weapons Center was observed in November 1968.

Significant changes and improvements have been made on major displays that focus upon NWC's test work, facilities, the community and principal events that have taken place at China Lake including the

distinguished visitors who have been a part of such activities since the early days of the Naval Ordnance Test Station.

In addition, a display featuring local facilities and scenic attractions has been updated by adding new color film slide material to illustrate three dozen different subjects. Also brought up to date is an historical exhibit that includes photos and information about each of the Center's Commanders and Technical Directors.

While this work was coordinated by the Presentations Division of TID, it was carried out principally by Pat Gallup and Jim Downard, visual information specialists employed in the Graphics Division of Code 53; by Don Mootie, head of TID's Presentations Development Branch (Code 5322), and by Nick Curran, an audio visual production specialist in the same code.



**WEAPONS EXHIBIT CENTER REFURBISHED** — Pat Gallup (at left) and Jim Downard are shown putting the finishing touches on changes to one of the displays at the Weapons Exhibit Center. This work was done in preparation for the local celebration of the Navy's 200th anniversary. Visitors to this facility will find in one convenient place a vast amount of information about the Naval Weapons Center, the history of weapons research and development work done here, as well as a colorful display of nearby scenic attractions. —Photo by Ron Allen

## Little Petroglyph Canyon tour is slated Saturday

A Maturango Museum-sponsored tour of Little Petroglyph Canyon is another of the special events that will take place in connection with this week's local observance of the U.S. Navy's 200th anniversary.

Carroll Evans, president of the museum's board of directors, and Janet Westbrook, a museum board member and teacher of biology at Cerro Coso Community College who is an expert on the natural history of the local area, will lead a caravan of private vehicles on a trip to this location on the Naval Weapons Center's northern range area.

Those who have already registered to participate in this outing will assemble at 9 a.m. tomorrow at the museum. The early start will enable them to cover the 84-mile round trip and still have ample time to inspect the fine examples of prehistoric art which provide evidence that man has lived in Indian Wells Valley for more than 6,000 years.

### Historical Landmark

Designated a Registered Historical Landmark in May 1965, Little Petroglyph Canyon is one of dozens of petroglyph sites on the NWC ranges. Found there are thousands of examples of ancient rock carvings that were scratched or pecked on miles of basaltic rock. These include ceremonial designs, as well as vigorous depictions of hunting figures, the bighorn sheep that often were the object of their hunts, and atlatis (spear-throwers).

Tomorrow's tour is scheduled to last from 9 a.m. to approximately 4 to 5 p.m. Those who will be joining this trek are reminded to bring both food and an ample supply of water to meet their own needs. In addition, all vehicles should be in good running condition, have full tanks of gas, and each car should have five good tires.

### Binoculars, Cameras Permitted

Field glasses and cameras will be permitted in this controlled access area of the NWC ranges.

Participants in the tour can pick up a 25-cent folder about the petroglyphs at the Maturango Museum. Although the folder is designed primarily as a self-guided tour of the area, it does contain illustrations, brief historical notes, and a bibliography.



## DIVINE SERVICES

<b>PROTESTANT</b>		
Sunday Worship Service	1015	
Sunday School — All Ages	0900	
Wednesday Noon Bible Study	1130	
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the Month.		
<b>ROMAN CATHOLIC</b>		
MASS		
Saturday	1700 fullfills Sunday obligation	
Sunday	0700 0830 1130	
<b>BLESSED SACRAMENT CHAPEL</b>		
MASS		
Daily except Saturday	1135	
<b>CONFESSIONS</b>		
Saturday	1615 to 1645	
Sunday	0800 to 0825	
<b>RELIGIOUS EDUCATION CLASSES</b>		
Sunday	Kindergarten thru 6th grades	1015
Wednesday	Pre-school	1130
	First thru sixth	1530
	seventh & eighth	1900
	(Junior High)	
Above classes are held in Chapel Annexes across from Center Restaurant.		
As announced		
	Ninth thru 12th grades	
	"In Home" Discussion Groups	
	Monthly Youth Rallies	
Contact Chaplain's Office for specifics.		
<b>JEWISH SERVICES</b>		
EAST WING — ALL FAITH CHAPEL		
Sabbath Services every Friday	2000	
<b>UNITARIANS</b>		
CHAPEL ANNEX 95		
Sunday	Services — (Sept.-May)	1930

## Promotional opportunities

Unless otherwise specified in the ad, applications for positions listed in this column will be accepted from current NWC employees and should be filed with the person named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment-Wage and Classification Division, Code 532, Ext. 2369. Ads will run for one week and will close at 4:30 p.m. on the Friday following their appearance in this column, unless a later date is specified in the ad. Employees whose work history has not been brought up to date within the last six months are encouraged to file a Form 171 or 172 in their personnel jacket. Information concerning the Merit Promotion Program and the evaluation methods used in these promotional opportunities may be obtained from your Personnel Management Advisor (Code 456 or 457). Advertising positions in the Promotional Opportunities column does not preclude the use of alternate recruiting sources in filling these positions. As part of the rating process, a supervisory appraisal will be sent to the current supervisor and the most recent previous supervisor of those applicants rated as basically qualified. The Naval Weapons Center is an equal opportunity employer and selection shall be made without discrimination for any nonmerit reason. The minimum qualification requirements for all GSC positions are defined in CSC Handbook X-118, while those for all WG, WL and WS positions are defined in CSC Handbook X-118C.

**Supervisory Visual Information Specialist, GS-1084-12, PD No. 7553085, Code 5363** — This position is head, Field Service Branch No. 3, Field Service Division, Technical Information Department. This branch provides technical information service such as preparation of graphic arts and presentations material, writing, editing and typing of technical documents, photography, cinematography, video taping and editing, and contract techniques used in the Propulsion Development Department. The branch is comprised of three separate sections representing these various disciplines. The branch head delegates the supervision of the publications and the photo sections, but is directly in control of the graphic arts section where the bulk of the day-to-day contact with the client departments occurs. Incumbent also functions as a photo and video consultant and as a back-up photographer in the event of schedule overlaps. **Job Relevant Criteria:** Must have broad experience in graphic arts preparation, contract coordination, a working knowledge of photography (excluding lab aspect) and a working knowledge of ordnance research, development and test operations.

**Supervisory General Engineer, GS-301-13 or 14, PD No. 7335128, Code 3507** — Position is that of head, Standard ARM Program Office, Electronic Warfare Department. The incumbent is responsible for providing continuing engineering services and technical assistance to the Naval Missile Center in the areas of production, reliability, engineering, and test and evaluation of the Standard ARM AGM-78D-2 weapon system. Within these areas of responsibility, the incumbent performs those functions necessary to assure continuing satisfactory performance of the entire weapon system through the development of corrective action requirements and plans for hardware and procedural improvements in the areas of guidance, ordnance, propulsion, and steering. Considerable time and effort is spent in liaison with the Naval Air Systems Command, other Naval DoD activities, and industrial contractors. Incumbent also serves as a member of the Center's ARM Advisory Group. **Job Relevant Criteria:** Ability to plan, organize, staff and direct a major weapon development program. Extensive knowledge of production processes, reliability factors and environmental and field testing as applied to complex guided missile systems. Thorough understanding of antiradiation missile technology. Ability to supervise a variety of technical disciplines. Experience in dealing with high level Navy, DoD, and contractor personnel.

**Clerk (DMT), GS-301-3 or 4, PD No. 7335106, Code 3522** — Provides clerical support for two branches, 3523 and 3525, in the Electronic Warfare Department. Incumbent types from handwritten or roughdraft copy, transcribes from dictaphone, technical notes, etc. Receives telephone and office callers, composes correspondence, records and distributes mail, makes appointments, performs other clerical duties. **Job Relevant Criteria:** Reliability and dependability. Ability to type efficiently and accurately. Ability to operate an IBM Mag Card typewriter.

**Clerk (Typing), GS-301-3 or 4, PD No. 7335148, Code 3505** — This position is located in the SHRIKE Program Office, RF Development Division, Electronic Warfare Department. The duties of the position require a thorough working knowledge of grammar, punctuation, and spelling, complete familiarity with Navy format and regulations regarding all forms of correspondence and office procedures. **Job Relevant Criteria:** Ability to communicate and cooperate with a variety of people, often under pressured circumstances, ability to independently set priorities and arrange routine to meet deadlines. Ability to operate IBM magnetic card I and II typewriters with speed and accuracy.

**Electronics Engineer, GS-855-9 or 11, or Mechanical Engineer, GS-830-9 or 11, PD No. 7335123, Code 3506** — This position is located in the Systems Transition Coordinator's Group, RF Development Division, Electronic Warfare Department. The group's mission is to effect transition of the SHRIKE Guidance System from the prototype development stage to unlimited production. The primary effect of the position is to insure the compatibility of components, overall system, documentation, test procedures, and manufacturing methods. The duties of the position require a familiarity with drawings, specifications and purchase descriptions; the ability to identify discrepancies, determine causes, and formulate recommendations for workable solutions; the ability to evaluate the effects of engineering changes initiated by contractors and the Engineering Department; the ability and willingness to travel. **Job Relevant Criteria:** Ability to facilitate communication and cooperation. Ability to take initiative and make decisions. Knowledge of capabilities and limitations of production techniques. Knowledge of SHRIKE missile components, particularly the guidance system. **Promotion Potential:** GS-12.

**Supervisory Electronics Technician, GS-856-12, PD No. 7335129E, Code 3552** — The incumbent is the section head of the remotely located land site No. 2, Radar Operations Branch, Countermeasures Division, Electronic Warfare Department. The position is located at the Electronic Warfare Technical Environment Simulation Facility (EWTES), Randolab, Wash. The incumbent is responsible for the operation, maintenance, modification and installation of highly complex threat radar systems. These systems provide simulations for the evaluation of airborne electronic countermeasures, counter-countermeasures and tactics against surface-to-air weapons systems. **Job Relevant Criteria:** Ability to supervise; knowledge of complex foreign threat radar simulators; knowledge of the methods and techniques of ECM and ECCM; ability to work well with people from all areas of management.

**File applications for the above with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.**

**Engineering Technician, GS-802-5/11, PD No. 7335132, Code 5313** — This position is located in the Environmental Engineering Test Branch, Engineering Department. The incumbent maintains, repairs, and operates the large environmental simulation chamber facility. During the performance of a test the incumbent is responsible for

initiating and sequencing of the complex engineering plant of the chamber and any other temperature conditioning equipment required by the test specification or procedure. The incumbent is responsible for the performance of various mechanical tests using the Baldwin Universal testing machines, the static load frame, the turbo shock stand, and the vibration test area. **Job Relevant Criteria:** Must be knowledgeable of techniques used in the calibration of control instruments. Incumbent must have knowledge of the principles of operation of both the control instrumentation and machinery which form the environmental simulation chamber. Knowledge of mechanical and electronics engineering principles of design and operations is necessary. Previous applicants need not reapply.

**File applications for the above with Carol Downard, Bldg. 34, Rm. 204, Ph. 2925.**

**Head, Resource and Technology Office, 10 USC 1581, PD No. 7500004, Code 04** — The incumbent is responsible for evaluating outyear Navy requirements, establishment of long-range goals and plans to meet requirements; determining resources necessary for required support; identifying technology areas with greatest potential for meeting requirements; defining approaches for exploitation of these areas, and recommends Center objectives and directions in these areas. **Job Relevant Criteria:** Extensive experience in the weapons systems acquisition process from development to production. Fleet use. Expert knowledge of technical and administrative aspects of managing government R&D programs. Ability to detect technical and administrative problems and take or stimulate management action to resolve. Recognized professional competence in the field. **File applications for the above with Tina Lowe, Bldg. 34, Rm. 206, Ph. 2723.**

**Gurad, GS-085-3/4 (3 vacancies), PD No. 7384042, Code 8430** — This position is located in the Police Division of the Security Department. The incumbent performs assigned duties at a fixed post and a patrol (foot or vehicle). Must have veterans' preference. **Duties include:** Controlling entry and exit of personnel, i.e., protection of buildings, areas, personnel, enforcement of regulations. The incumbent will work one of three watches — day, night or morning. **Job Relevant Criteria:** Ability to express his/her self clearly in writing. Ability to deal tactfully with people. Must be in good physical condition.

**Clerk-Typist, GS-322-3/4, PD No. 7484003, Code 8411** — This position is located in the Personnel Security Clearance Section of the Security Operations Division. The incumbent performs a variety of functions including interviews of new employees and contractor personnel to obtain information for security clearance, types a variety of forms and letters, takes fingerprints, manufactures passes and identification cards, and maintains files and records. **Job Relevant Criteria:** Must be qualified typist. Must be able to work under stress. Must be able to work with public.

**File applications for the above with Sue Proslawicz, Bldg. 34, Rm. 208, Ph. 2577.**

**Voucher Examiner, GS-540-3/4, PD No. 732502IN, Code 2575** — This position is in the Accounts Payable Branch, Control Division, Supply Department. Incumbent reviews supporting documents which are the basis for preparation and processing for payment of all types of orders including vouchers. Insures legality, completeness, correct appropriation and accounting data and makes verification of receipt and inspection on vouchers. Initiates correspondence to various DoD activities, vendors and plant representatives. Deals with a wide variety of documents, vouchers and Center personnel. **Job Relevant Criteria:** Knowledge of Supply procedures. Knowledge of contracts, purchase orders, delivery orders, blanket purchase agreements and dealer's invoices. Ability to deal effectively with people. **Promotion Potential:** GS-5.

**File applications for the above with June Adams, Bldg. 34, Rm. 210, Ph. 2371.**

## Job Opportunities

**Motion Picture Projectionist, NA-3910-04, \$2.86 p/h, PD No. 7455106** — (This is not a Civil Service job. This is an intermittent position, approximately 15 hours per week.) Position is located at the Center Theater, Special Services. Inspects incoming film and makes reports, operates 16mm projectors, spotlights, and slide projectors, supervises other theater employees in the absence of manager. **Job Relevant Criteria:** Demonstrated experience in the operation of 16mm motion picture projectors, sound-reproducing equipment, spotlights and slide projectors, and related equipment. Must be willing to work weekends and week nights.

**Waitress, NA-7453-02, \$2.43 p/h, PD No. 74C0M101** — (This is not a Civil Service job.) This position is at the Commissioned Officers' Mess (Open). The incumbent asks patrons for beverage orders, describes types of cocktails, liquors and wines upon request. Gives order to bartender, receives and places order on tray and serves patron. Receives cash or credit card from patron and makes change. Keeps tables free of empty glasses, dirty ashtrays and clutter. When guests leave, cleans table and returns empty glasses to bar. **Desirable Qualifications:** Ability to work with the public. Knowledge of cocktails, liquors and wines. Knowledge of serving procedures. Ability to follow instructions.

**Bartender, NA-7441-05, \$3.16 p/h, PD No. 74C0M108** — (This is not a Civil Service job.) Applicants must be 21 years of age or older. Incumbent mixes alcoholic and non-alcoholic drinks to order, delivers drinks, receiving payment or appropriate change to members' credit card. May be required to serve catered parties, stock service bar, prepare garnishes, wash glasses and other bar equipment. **Job Relevant Criteria:** Must have ability to do simple arithmetic and make proper change. Must be able to follow instructions and deal effectively with people. Experience in preparing alcoholic beverages.

**File applications for the above with Dora Childers, Bldg. 34, Rm. 206, Ph. 2676.**

## SHOWBOAT

**MOVIE RATINGS**  
The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED  
General Audiences  
(PG) - ALL AGES ADMITTED  
Parental Guidance Suggested  
(R) - RESTRICTED  
Under 17 requires accompanying Parent or Adult Guardian  
Regular starting time — 7:30 p.m.

**FRI. WHERE THE LILIES BLOOM** (97 Min.)  
Julie Gholson, Harry Dean

(Drama) After the death of her widower father, the eldest daughter assumes responsibility for her two younger sisters and brother. They decide to keep the father's death a secret, so they won't be turned over to the state for care. (G)

**SAT. GRAND LAND SINGERS**  
Performances at 1:30 p.m. and 7 p.m.

**SUN. CORNBREAD, EARL AND ME** (95 Min.)  
Moses Gunn, Rosalind Cash

(Drama) Nathaniel Cornbread Hamilton is the only young man in his black neighborhood who can hope to get out of the ghetto. (PG)

**MON. MY NAME IS NOBODY** (115 Min.)  
Henry Fonda, Terence Hill

(Western Comedy) Henry Fonda plays an aging gunslinger forced to uphold his reputation by a youthful admirer. (PG)

**TUE. SIDECAR RACER** (100 Min.)  
Ben Murphy, Wendy Hughes

**WED. SLOVAK NATIONAL FOLKLORICO ENSEMBLE** presented by the IWV Concert Association — 8 p.m.

**THURS. RANCHO DELUXE** (93 Min.)  
Jeff Bridges, San Waterston

**FRI. IMPULSE** (95 Min.)  
William Shatner, Ruth Roman

## Bluejacket . . .

(Continued from Page 2)

Officer. "His mastery of the FORTRAN computer language enabled him to write a complex program which gives instant access to data on squadron flight operations and provides invaluable information on numerous management parameters," Lt. Allen continued in recommending DP3 Maresch for this honor.

As a result of his selection, DP3 Maresch and his wife, Rebecca, will be guests of the Greater Bakersfield Chapter of Commerce over the weekend of Oct. 24, 25 and 26. While in that city, the Bluejacket and his wife will stay at the Bakersfield Inn where they will receive their room and meals.

In addition, Bakersfield merchants will present the pair with free gift certificates and discount coupons, redeemable for merchandise. Prior to leaving the local area, Doug Butler, owner of Desert Motors in Ridgecrest, will present the October Bluejacket with the keys to a new Ford automobile to use on the weekend trip.

DP3 Maresch enjoys the Navy and is seriously considering a career. He especially likes his work. "I wouldn't want to do anything else. Computer programming is kind of like eating peanuts — one bite and you can't stop eating," he said.

The October Bluejacket has many interests. He collects coins and enjoys sports — primarily fishing, hunting, bowling, swimming and scuba diving. In addition, he and Rebecca, along with seven-month-old Sarah, like to get away to the mountains and camp occasionally.

Rebecca keeps busy taking care of the baby and works part time at the Community National Bank in Ridgecrest. Her hobbies are sewing, crocheting and decoupage.

DP3 Maresch qualified to apply for NESEP (Navy Enlisted Scientific Education Program) last month. If he is selected for this highly competitive program, he plans to attend the University of Missouri at Columbia, where he will major in computer science.

### Family picnic scheduled on Sun. afternoon

Take a grassy, shaded spot, mix with the company of good friends and neighbors, season with hot barbecue coals, add delicious homemade desserts topped with huge scoops of ice cream, simmer for four or five hours, blend in the music of five school bands and two other local musical groups, and you have an old fashioned picnic.

The picnic will be held on the lawn of the Administration Building on Sunday, beginning at 1 p.m. The idea is to provide an opportunity for all residents of the Indian Wells Valley community to get together and informally celebrate the 200th anniversary as one big "Navy family."

**Barbecue Grills Available**  
Although those who participate are asked to bring their own picnic lunches or dinners, a number of amenities not often found at a picnic will be provided. Barbecue grills, complete with already hot coals, will be set up for public use. And, there's the dessert.

Members of the Maturango Museum Luncheon Group will be dispensing cake and pie, topped with generous scoops of ice cream, for 60 cents for an adult portion, or 40 cents per serving for children who are 10 years of age or younger. The women also will offer coffee at 10 cents a cup. All proceeds from this volunteer effort will go to the Maturango Museum building fund.

The picnic will offer an opportunity for people who like rousing band music to enjoy the selections of several local groups. The afternoon's open air concert will begin at 1 p.m. with the toe-tapping tunes of Ken Robinson's Dixieland Band. At 1:30, the Mojave Green's Bluegrass Band is slated to play.

At 2 o'clock, the Murray School Concert Band will perform, followed at 2:30 by the Monroe School Concert Band. At 3 p.m., the picnickers will enjoy the music of the Burroughs High School Cadet Band and at 3:30, the Burroughs High School Concert Band will play.

**Stage Band Also To Play**  
The last band of the day will be the renowned Burroughs High School Stage Band, which will play at 4 o'clock.

The picnic will continue until 5:30 p.m. Those who want to do something different after eating might wander over to the Community Center, located across the street and down the block to send a message to a loved one or friend via KV6NWC, the ham radio station that will be in operation there.

Sunday morning, local residents will celebrate Navy Chapel Day by attending special worship services at the church of their choice. The chaplains at both the Protestant and Catholic services at the All Faith Chapel have planned services that will center on a Bicentennial theme.

### Blue Angels . . .

Continued from Page 3)

each aircraft.  
The naval flight officer is responsible for logistics coordination and public affairs. The maintenance officer is in charge of the enlisted maintenance crew and is responsible for ensuring that the ten aircraft assigned are kept in topnotch condition.

The squadron's flight surgeon administers to both the physical and psychological needs of the officers and the enlisted personnel, and the administrative officer and supply officer perform their duties and maintain normal operations while the "Blues" are on the road.

There are also two Marine Corps transport pilots and five enlisted crewmen assigned who fly the KC-130 support aircraft that carries the necessary equipment and personnel needed to perform demonstrations at show sites. The 74 enlisted personnel are specialists in all the aviation roles required to support and maintain the squadron's maintenance, administrative and public affairs requirements.

### Transportation by Navy buses to be provided Sat., Mon.

Buses will be operated tomorrow and on Monday during the Bicentennial celebration at NWC.

Tomorrow, buses will be run from the main gate, to the Public Works parking lot, the Maturango Museum and Weapons Exhibit Center, then to the Community Center, Barracks 880, Bennington Plaza, and return.

These buses will operate as needed from 9 a.m. to 10:30 p.m.

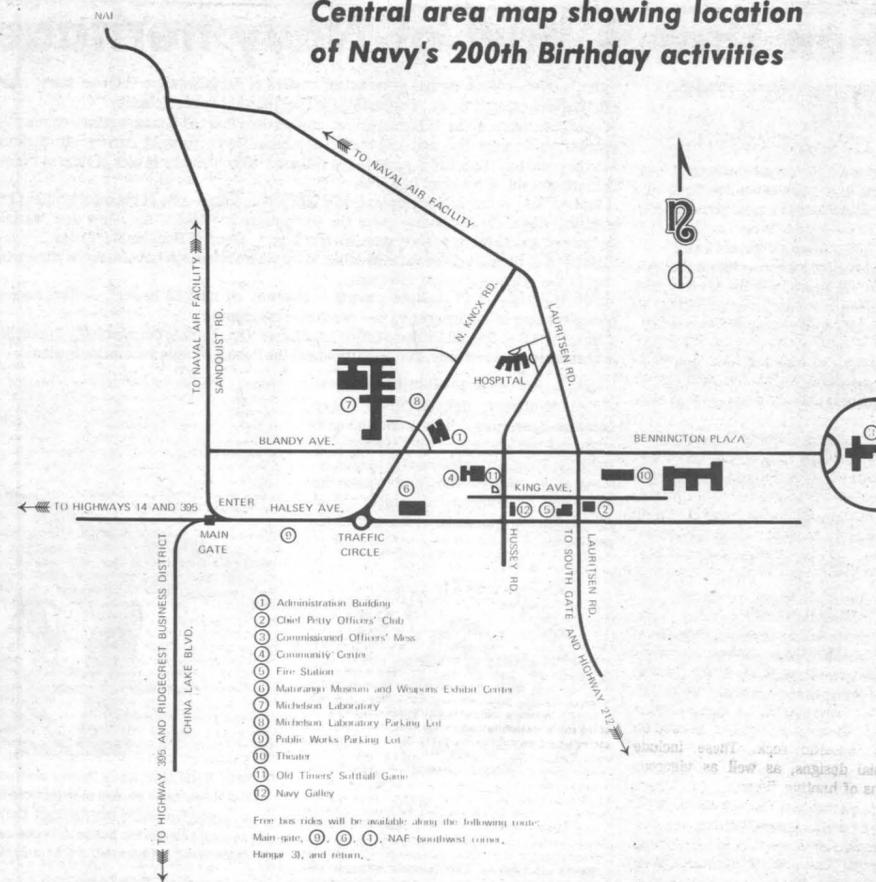
On Monday, four buses will be put into operation and will run as needed from 7 a.m. to 7 p.m.

The route these buses will follow is from the main gate, to the Public Works parking lot, Maturango Museum complex, Administration Building, the southwest corner of Hangar 3 at the Naval Air Facility, and return.



Slovak National Folklorico Ensemble

### Central area map showing location of Navy's 200th Birthday activities



- 1 Administration Building
- 2 Chief Petty Officers' Club
- 3 Commissioned Officers' Mess
- 4 Community Center
- 5 Fire Station
- 6 Maturango Museum and Weapons Exhibit Center
- 7 Michelson Laboratory
- 8 Michelson Laboratory Parking Lot
- 9 Public Works Parking Lot
- 10 Theater
- 11 Old Timers' Suttill Game
- 12 Navy Gate

Free bus rides will be available along the following routes:  
Main gate, 1, 2, 3, NAF (southwest corner), Hangar 3, and return.

### Folk dance group from Czechoslovakia to present program Oct. 15 at Center Theater

The excitement will barely have begun to die down from the four-day birthday celebration this weekend, when the Slovak National Folklorico Ensemble comes into town for the first in a series of five programs for the Indian Wells Valley Concert Association's 1975-1976 season.

The talented group of Czechoslovakian dancers are slated to appear next Wednesday, Oct. 15, at the Center Theater, beginning at 7:30 p.m.

Carl Helmick, president of the IWVCA, stated that some season tickets, entitling the bearer to admission to all five of the concerts this season, are still available. They are priced at \$20, \$17, and \$14 for general admission, and half those prices for military enlisted personnel and students.

The cost of the tickets depends upon location of the seats in the theater.

The Slovak National Folklorico Ensemble came into being after World War II when the Slovak people began the revival of values destroyed by the war. They returned to the original source of art — the legacy of their ancestors in popular customs, as well as in folklore. The state-sponsored ensemble of folk art, dance, music and songs is located in the beautiful castle in Rosove, 15 miles from Bratislava, the capital of Czechoslovakia.

### Women residents invited to join in trip to Bakersfield

The wives of military and civilian personnel of the Naval Weapons Center have been invited to be the guests of the Women's Division of the Greater Bakersfield Chamber of Commerce for a tour, luncheon and shopping in Bakersfield on Thursday, Oct. 23.

This event is being coordinated locally by the Women's Auxiliary of the Commissioned Officers' Mess, and arrangements have been made to obtain a bus that will accommodate 35 passengers for the trip to and from the Kern County seat.

Due to a limit on the number who will be able to take part in this activity, those interested are urged to make their reservations as early as possible, and no later than next Friday, Oct. 17.

This can be done by calling either Sharon Freitag at 446-4001 or Deborah Catterm at 446-2603.

**WACOM Plans Fashion Show**  
Thirty five members of the Women's Auxiliary of the Commissioned Officers' Mess made an all-day bus trip recently to Tijuana, Mex. Purpose of the trip was to take a look at the clothing that will be featured during the annual WACOM fashion show; set for Oct. 21.

## Navy uniforms source of pride since early days

Navy uniforms have been a source of pride, distinction, concern — and controversy — since the early days of the service.

The Marine Committee of the Continental Congress, while sitting in Philadelphia on Sept. 5, 1776, authorized a "Uniform for the Officers of the Navy of the United States . . ."

The authorized uniform evidently did not please all of the Navy officers of that time, for in the Library of Congress there reposes a manuscript which contains a proposal for a different naval uniform for officers.

Captioned "Uniform dress for the Navy agreed to at Boston by the major part of the captains, March, 1777," this first evidence of controversy underscores the pride, affection and concern of Naval personnel for their distinctive uniforms which continues to this day.

Office Established in 1779  
A Navy uniform office has been in existence since 1779 when Congress established a Board of Admiralty concerned with "all warlike stores, clothing, etc." Uniform style changes during the early days of the Navy largely paralleled civilian clothing trends, with little "uniformity" apparent, especially in enlisted men's uniforms.

As the nation, and the Navy grew and became a world power, more emphasis was placed upon quality, appearance and the development of associated regulations.

Thus, a Permanent Navy Uniform Board was chartered by the Secretary of the Navy and established primarily for the purpose of studying uniforms, considering changes, reviewing suggestions for new or changes in standard items of uniforms and clothing, establishing uniform allowances and studying procurement methods.

After each proposal was carefully studied and reviewed by the permanent staff, the proposals were presented to the regular members of the board and their recommendations were then forwarded to the Secretary of the Navy via the Chief of Naval Operations for approval.

On June 23, 1967, the Secretary of the Navy delegated the authority for convening a Navy Uniform Board and approving Navy uniforms to the Chief of Naval Operations and, on July 30, 1971, the present Navy Uniform Board (its permanent staff and membership) was established.

The present Navy Uniform Board maintains some files and copies of old uniform regulations dating back to 1776. According to the files, prior to 1776 sailors wore petticoat trousers that came to the knees and could be tied. It wasn't until 1817 that the traditional bell bottomed trousers came into being and an official Navy uniform was prescribed for enlisted men. This uniform consisted of a brim hat, blue jacket, red waistcoat and blue bottomed trousers.

**Origin Traced to English Sailors**  
The square jumper collar and neckerchief originated when English sailors wore their hair long and braided in a pigtail. The braided pigtail was greased and the square collar and neckerchief afforded protection for the uniform from the tar which the sailors used on their long braid.

The pigtail hairstyle went out in 1810, however the black neckerchief has remained an integral part of the Navy uniform for decorative purposes to this day.

A variety of hats has been worn by Navymen in the past, but the dixie cup (white hat), as it is known today has been in existence since 1913. A white hat with rolled up brim, similar to the present white hat, however, was first introduced in 1886.

The bell bottom trousers that were authorized in 1817 had only seven buttons in front. It wasn't until the broadfall front was enlarged in 1894 that the 13 buttons were put on the bell bottom trousers and then only to add symmetry of design.

There has been a belief that the 13 button style trousers represented the original 13 colonies of the United States, but like so many other sea stories, there is no basis for

this one. In 1948, fly zippers and pockets were introduced for these trousers, however, the 13 buttons were reinstated in 1956 due to requests from sailors.

Officers of the Navy wore single breasted service coats during World War I but this single breasted uniform was abolished in 1919 and the familiar double breasted service dress uniform of today was adopted for certain officers. All officers were required to have this uniform by 1921 and since that date the changes to this uniform have been very minor.

**Officers Like Dress Uniform**  
Both officers and chief petty officers have been satisfied with the nautical and distinctive double breasted service dress blue uniform.

After World War II the Navy considered a uniform for enlisted men consisting of jacket, white shirt, tie and trousers, however, at that time sailors indicated a dislike for the proposal and the idea was dropped.

It wasn't until recently that some of the greatest changes in uniforms began taking place. It was considered that some changes should be made to keep up with the trends of modern times. Consequently, a poll conducted by the Navy in 1970 indicated that the majority of enlisted men preferred a coat and tie style uniform to the jumper and bell bottoms.

Since officers and chief petty officers were fond of dress blues, it appeared desirable to go to that style for all Navymen. One basic uniform for all Navymen from seamen to admiral is consistent with the idea of "one Navy, United in Purpose, Striving for Common Goals," and is consistent with the uniform policies of all other U. S. military services.

**New Uniforms Now Issued**  
The new double breasted service uniform was issued to male recruits beginning July 1, 1973. At this time, all Navymen except those with an expiration of service prior to July 1, 1976, are required to be in the new style uniform. This uniform is identical to the service dress blue uniform currently worn by officers and chief petty officers except that the buttons, cap device and belt buckle are silver and 5/8 in. enlisted service stripes are worn.

Uniforms for Navy women, as for men, are under constant review. Since July 1, 1975, Navy women recruits were issued a new service dress blue uniform identical to the women officers' and chief petty officers'



TWO SAILORS display the old and new enlisted uniforms. At left is the old blue uniform with white dixie cup hat, while at right is the new double breasted service dress blue uniform. The old uniform may still be worn by enlisted men who have an expiration of service date prior to July 1, 1976.

except for the silver buttons and the enlisted men's silver cap device that is a required part of their uniform.

The current style of the women's service dress blue uniform has been in existence for some time with only minor changes, however, a service dress, flared slack has recently been approved for wear with the

service dress coat, paralleling the civilian trend toward dressy pantsuits.

The Navy Uniform Board continually strives to update the uniform styles, commensurate with function and fashion, while at the same time maintaining a traditional and nautical military appearance.

### Revised edition on Uniform Regs available

A revised edition of U.S. Navy Uniform Regulations has been published by the Bureau of Naval Personnel and features new indexing and reorganization of topics. It also contains several changes to women's uniforms and those changes to men's uniforms already announced in NAVOP 56 and 94.

New designations have been created for women's service dress blue uniforms. Service dress blue Alpha is the uniform with a skirt, and service dress blue Bravo is the uniform with flared slacks. In addition, summer blue, (service dress blue without jacket) may be prescribed by commands for warm weather, instead of service dress light blue.

The publication (NAVPER 15665B) is being distributed throughout the Navy and is also available for purchase through the Superintendent of Documents, U.S. Government Printing Office.

### UNIFORMS OF THE CONTINENTAL NAVY AT THE TIME OF THE AMERICAN REVOLUTION 1776-1777



### Monday holiday hrs. listed for business facilities on Center

Although there will be plenty of activities going on at the Naval Weapons Center on Monday, the official birthdate of the U.S. Navy, that day also is observed nationally as Columbus Day, an official holiday.

Special Services facilities that will remain open on Monday are the bowling center from 11 a.m. to 11 p.m., the golf course from 7 a.m. to 5 p.m., and the gymnasium, from 11 a.m. to 7 p.m.

The theater will be open regular hours, and the Community Center has many special events planned for that day.

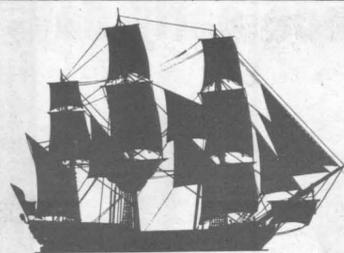
All other Special Services facilities will be closed.

The barber shop, beauty shop and child care center will be closed by the Employee Services Board in observance of the holiday on Monday.

However, the Station Restaurant will remain open from 6 a.m. to 4 p.m., and the laundry will open from 9 a.m. to 6 p.m. The Station Pharmacy has listed its hours as open from 10 a.m. to 7 p.m., and the FEDCO service station will remain open from 9 a.m. to 6 p.m. Fazio's Market will be open from 9 a.m. to 9 p.m.

In a change from its usual hours and days of operation, the Consolidated Package Store will be closed on Saturday this weekend only.

# Survey of history reveals proud tradition that is part of Navy heritage



Ship-rigged Vessel — Circa 1775

**Captain John Paul Jones (1747-1792).** From Aug. 8, 1776, when he received a captain's commission, John Paul Jones led American seamen to some of the most glorious victories in our history. In command of the American sloop *Ranger* during the Revolutionary War, Jones defeated the British sloop *Drake* off the coast of Scotland. Still later on Sept. 23, 1779, Jones was to command the American ship *Bon Homme Richard* in one of the most celebrated battles of Naval history. In British waters, *Bon Homme Richard* fought a bitter, close battle with the larger, better armed British *Serapis*. When the *Serapis* hailed to ask the Americans to surrender, John Paul Jones bellowed back his immortal words, "I have not yet begun to fight." For some 3½ hours the ships pounded each other until the British captain struck his colors. Jones had won an historic victory. Often called the Father of the American Navy, John Paul Jones had established a tradition of heroism which has never been forgotten.



Sept. 5, 1775 — Perceiving the importance of the sea, George Washington begins his own small fleet with the armed schooner *Hannah* to seize British supply ships.

Feb. 5 - March 17, 1776 — First Continental squadron under Commodore Esek Hopkins conducts first amphibious operation to Bahamas and seizes important munitions for Washington's Army.

Sept. 17, 1776 — The world's first submarine action! Although the idea of a submarine had occurred to others previously, it was the American, David Bushnell, who designed the first undersea craft which participated in a military operation. Bushnell's Revolutionary War *Turtle*, as the one-man ship was called, was operated by hand power and submerged by filling the ballast tanks with water. Its intended target was the British man-of-war *Eagle*, then anchored in New York Harbor. Dramatically, the attack came within a hairsbreadth of success. And thus, just a year after the Navy was born, the future of the undersea service was already being built on a proud tradition.

Sept. 5-9, 1781 — French fleet under Admiral Comte de Grasse defeats British fleet in battle of Chesapeake Capes, bottling up Cornwallis, making victory at Yorktown and independence possible. Washington terms seapower "the pivot upon which everything turned."

Aug. 1, 1785 — *Alliance*, last ship of the Continental Navy is sold, leaving American worldwide trade naked to attack.

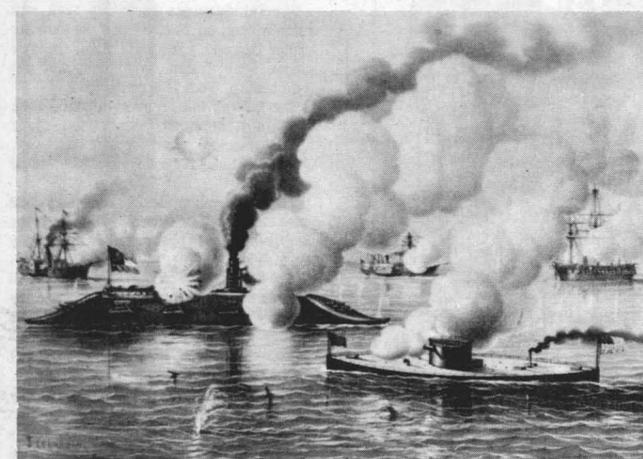
May-October 1779 — The U.S. launches frigates *Constellation* (Sept. 17, 1797), *Constitution* (Oct. 21, 1797), and *United States* (July 10, 1798) to combat widespread seizure of American ships.

April 30, 1798 — Navy Department established; Benjamin Stoddert becomes first Secretary of the Navy.

July 1, 1801 — U.S. squadron under command of Capt. Richard Dale enters the Mediterranean to subdue Barbary pirates. This was the forerunner of the mighty Sixth Fleet that guards liberty in the Mediterranean today.

Feb. 16, 1803 — Lt. Stephen Decatur, Jr., and volunteers in the *Intrepid* destroy the captured American frigate *Philadelphina* in Tripoli harbor. Lord Nelson termed this "The most bold and daring act of the age."

June 22, 1807 — HMS *Leopard* fires on, boards and seizes four seamen from the unready Chesapeake, arousing national indignation. Impression and "closed seas" were chief reasons for War of 1812.



FIRST BATTLE between ironclad warships took place at Hampton Roads on March 9, 1862. This sketch shows the USS *Monitor* (at right) exchanging shots with the CSS *Virginia* (formerly the USS *Merrimack*). —Official U.S. Navy photo

Sept. 10, 1813 — Commodore Oliver Hazard Perry defeats British squadron on Lake Erie, assuring U.S. control of the Northwest.

Dec. 14, 1814 - January 1815 — Naval support delays British amphibious operations at New Orleans, giving General Andrew Jackson time to organize defenses and save the city and the Southwestern U.S. Through brilliant use of sea power culminated in the Battle of New Orleans, the U.S. upholds her independence, the right to free trade, and keeps open the opportunity to expand westward to the Pacific.

September 1819 — The Congress, the first American warship to visit the Asian mainland, arrives at Canton, China, presaging an era of expanding American interest and trade with East Asia.

1836-1861 — Lt. Matthew Fontaine Maury, "Pathfinder of the Seas," world renowned American in the 1850s, applies scientific principles to navigation, astronomy, and oceanography. His findings and charts are basis for modern scientific work in these fields.

Aug. 18, 1838-July 6, 1842 — First U.S. scientific expedition under Lt. Charles Wilkes, confirms existence of the Antarctic Continent, charts vast areas of the South Pacific and makes large contributions to future sea travel.



1842 — Commodore Lawrence Kearny's wise, firm diplomacy on his mission to China in the *Constellation* lays the foundation for a trade treaty. On return cruise, he plays a key role in saving Hawaii from foreign annexation—with far-reaching consequences in the 20th century.

Oct. 10, 1845 — Secretary of the Navy George Bancroft establishes the U.S. Naval Academy at Annapolis, Md.

March 24, 1847 — Naval bombardment and amphibious landings at Vera Cruz forced city's surrender, enabling General Winfield Scott to march to Mexico City and end the Mexican War. In this and in river campaigns, steam began to bring sea power large, new capabilities for amphibious assault and riverine operations.

April 19, 1861 — President Abraham Lincoln declares naval blockade of the South—part of the noose that strangled the Confederacy into submission.

March 9, 1862 — The first battle between ironclad warships. USS *Monitor* and CSS *Virginia* (ex-USS *Merrimack*) usher in a new era of naval warfare at Hampton Roads.

April 18-26, 1862 — Flag Officer David G. Farragut boldly leads his squadron past Mississippi River defenses and captures New Orleans, the South's richest city and gateway to the Mississippi. This was a disaster from which the South could never recover.

Feb. 17, 1864 — The CSS *H. L. Hunley* becomes the first submarine to sink an enemy ship in combat when it rams a spar torpedo into the USS *Housatonic* off Charleston, S.C.; forecasting new might for navies.

1878-1879 — While an instructor at the Naval Academy where he had recently graduated, Ens. Albert A. Michelson, USN, using homemade equipment and with midshipman assistants, measured the velocity of light with high precision, thus beginning his fame as a leading world physicist.

1888 — Seven years before Marconi's success with radio, Lt. Bradley Fiske experiments with wireless communication on board ship and gains a patent for radio-controlled torpedoes. The basic principle of these torpedoes is used in today's guided missiles and space flights.

Feb. 15, 1898 — The USS *Maine* blows up in Havana harbor, an event that precipitated the Spanish-American War.

May 1, 1898 — Admiral George Dewey destroys the Spanish Fleet at Manila in the Philippine Islands, bringing U.S. to status of major world power.

July 3, 1898 — Rear Admiral William T. Sampson destroys the Spanish Fleet at Santiago de Cuba, bringing an end to the war and independence to Cuba.

April 11, 1900 — The Navy accepts its first submarine, the USS *Holland* (SS-1). The Trident of modern seapower begins to take shape.

Dec. 16, 1907 — "The Great White Fleet" of 16 battleships circles the globe, increasing America's prestige abroad and contributing to world peace.

## Need for strong Navy still evident in 1975

The writer who coined the phrase "mighty oaks from tiny acorns grow," might well be said to have had in mind the development of this nation, or, as a matter of fact, the myriad of changes that have occurred in the U.S. Navy since the first official step toward creating the seagoing arm of the military service took place on Oct. 13, 1775.

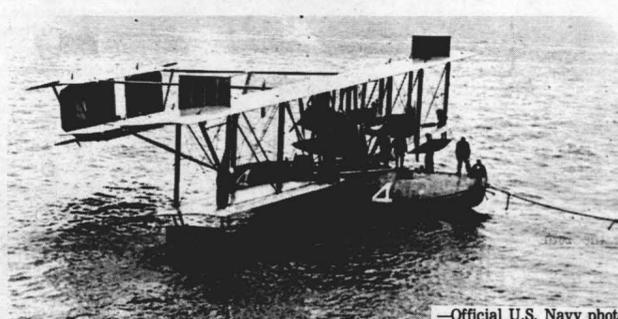
From the Congressional action taken on that date in 1775 ordering the outfitting of two vessels (one with 10 and the other with 14 guns) for "intercepting such transports as may be laden with stores for the enemy," it's a far cry to the present atomic powered aircraft carriers and submarines and sophisticated missile carrying surface ships of today's Navy and their equally well prepared support units.

While there have been monumental changes in the U.S. Navy's "tools of the trade," the need for a strong Navy is as evident today as when Capt. John Paul Jones (1747-1792), a hero of the Revolutionary War, remarked: "Without a respectable Navy—alas America!"

The historic role of American seapower, as an instrument of diplomacy, protector of American interest abroad, and keeper of the peace, is a long one. Additionally, keeping the sea lanes open is a vital mission of the U.S. Navy, for the sea lanes are the life lines of America.

The truth of Capt. John Paul Jones' succinct comment about this nation's reliance on the strength of its Navy has been rephrased innumerable times since Revolutionary War days, including this statement by the late President Lyndon B. Johnson on Oct. 27, 1965:

"Sea power is essential to the security of our nation. The mobility and versatility of our naval forces manifested each day are a constant reminder to any aggressor that this country has the means to act quickly and decisively to protect the interests of the United States and the Free World. Paradoxically, the powerful U.S. Navy is a symbol of peace . . . The dedicated men serving in the Navy blue . . . safeguard the peace and freedom of the world and the future of the American way of life."



—Official U.S. Navy photo

THE NAVY'S NC-4 was the first aircraft to fly the Atlantic Ocean. There were three of these NC-4s which started across the Atlantic on May 8, 1919, but only the aircraft piloted by Lt. Cdr. A. C. Read, USN, successfully completed the crossing.

April 6, 1909 — Commodore Robert E. Peary, USN, becomes the first man to reach the North Pole, continuing the Navy's tradition of leadership in exploration.

Nov. 14, 1910 — Eugene Ely takes off in his plane from a wooden platform built on the bow of the USS *Birmingham*. Two months later (on Jan. 18, 1911) Ely lands a plane on board the USS *Pennsylvania*—two great firsts that mark the dawn of a vast new dimension for seapower.

April 6, 1917 — The United States enters World War I, due to the unrestricted U-boat warfare of Germany.

June 14, 1917 — Despite the U-boat threat, the first American troops sail for Europe inaugurating the Navy's highly effective convoy and transport system that brought millions of fighting men and mountains of supplies to the battlefield.

May 8-27, 1919 — The Navy's NC-4 Flying Boat makes first trans-Atlantic flight from Rockaway Beach, N.Y., to Lisbon, Portugal. Another world record for the Navy.

1922 — Navy scientists discover the principle of radar that helped win World War II and now reaches into the seas of space.

March 20, 1922 — The Navy's first aircraft carrier, USS *Langley*, was commissioned. Because of farsighted naval officers, the U.S. was not swept into the fallacy of air power replacing seapower.

Nov. 28, 1928 — Commander Richard Byrd made the first flight over the South Pole during the expedition which began America's modern research in the Antarctic.

1939 — U.S. Navy takes first action in government to develop nuclear energy.

Dec. 7, 1941 — Japanese attack Pearl Harbor bringing the U.S. into World War II.

May 4 to 8, 1942 — The U.S. Navy wins a strategic victory in the Coral Sea, thus stopping the Japanese drive south. This was the first battle in modern history in which opposing warships did not exchange a shot.

Nov. 19-25, 1943 — Amphibious assaults on Tarawa and Makin in the Gilbert Islands provide bases and invaluable lessons for following combined operations to seize the Marshall and Marianas Islands as irresistible amphibious power advances across the Pacific.

June 6, 1944 — In massive amphibious assault, Allied navies land the Allied Expeditionary Force under General Dwight D. Eisenhower at Normandy, clearing the way with devastating naval gunfire.

Sept. 3, 1944 — First combat employment of a missile guided by radio and television takes place when a Navy PB4Y drone attacks German submarine shelters on Helgoland Island.

Oct. 20-26, 1955 — Amphibious landings and naval battles off Leyte insure liberation of the Philippines and destroy remaining effectiveness of Japanese Navy.

April 1, 1945 — Driving to the doorstep of the Japanese homeland, more than 1,200 warships execute the greatest long range amphibious assault ever conducted. Japan responded with wave upon wave of suicide planes against the massed ships off Okinawa, but failed to stop "The Fleet that came to stay."

Sept. 2, 1945 — V-J Day, signing of surrender on board the USS *Missouri* in Tokyo Bay. The Navy had severed Japan's sea lifelines and brought total U.S. power to the shores of Japan. The U.S. Navy's concept of a balanced Fleet integrating aircraft and submarines with surface Navy and amphibious elements had well served America and freedom.

Oct. 3, 1945 — First formal government studies of earth satellite vehicles start; Navy establishes a committee for "Evaluating the Feasibility of Space Rocketry."

June-July 1950 — The U.S. and Allies protect Republic of Korea against communist aggression. Prompt reaction inherent in sea-based force brought carrier air, fighting Marines, and naval gunfire support to the gallant Army defenders in nick of time at Pusan, the last toehold of freedom in Korea.

Sept. 13, 1950 — Amphibious forces landed at Inchon, Korea—one of the most brilliant and significant assaults in history—rout the communist invaders. "The Navy and Marines have never shown more brightly than this morning,"—General Douglas MacArthur.

1951 — A 50-ft. radio telescope is installed at the Naval Research Laboratory, a pioneering step in the science of radio astronomy.

Jan. 17, 1955 — USS *Nautilus* reports "underway on nuclear power" — first nuclear powered vessel in history opens a new revolution in seapower.

Nov. 17, 1955 — Special Projects Office established. Overcoming the seemingly impossible in phenomenally brief time, the group produced the Polaris Missile Submarine System.

Oct. 5, 1957 — A satellite tracking net called Minitrack developed by Navy becomes operational. This network, with stations from Maine to Chile, designed to track the Vanguard satellite, is in use today.

March 17, 1958 — The Navy enters the space age by launching into orbit a test sphere for the Vanguard system of earth satellites.



April 13, 1960 — The Navy's Transit 1B navigation satellite is placed into orbit. The system enables ships to navigate with an accuracy of 1/10th of a mile.

July 20, 1960 — The USS *George Washington* (SSBN 598) successfully fires two Polaris A-1, 1,200 mile missiles while submerged off Florida. "From out of the depths to target. Perfect."

May 5, 1961 — Commander Alan B. Shepard, Jr., USN, is first American in space. After a sub-orbital flight of 320 miles he and his capsule, *Freedom 7*, are recovered by helicopters from the carrier *Lake Champlain*. In the ensuing years of rapid space development, hundreds of Navy ships and planes carried out successful recovery of astronauts and space capsules.

1961 — Violating international agreements, North Vietnamese aggression builds up in South Vietnam. Controlling the seas, the U.S. is able to begin deployment of strength in South Vietnam.

1962 — The first three Americans to orbit the earth are Naval aviators, Lt. Col. John H. Glenn, USMC, Lt. Cdr. M. S. Carpenter, USN, and Cdr. W. M. Schirra, USN — continuing the Navy's long record of achievements in exploration.

Oct. 24, 1962 — Atlantic Fleet establishes quarantine of Cuba to force the withdrawal of Soviet offensive missiles. "The key lesson . . . : Seapower remains the dominant force in world affairs."

Oct. 26, 1963 — The USS *Andrew Jackson* (SSBN 619) fires Polaris A-3, the 2,500-mile-range missile that takes seapower into the heart of continents to deter aggression.

July 3, 1964 — Operation "Sea Orbit" begins—a graphic demonstration of the Navy's nuclear-powered capabilities. The USS *Long Beach*, *Enterprise* and *Bainbridge* circle globe without refueling.

Aug. 4, 1964 — The USS *Maddox* and USS *Turner Joy* destroy attacking North Vietnamese PT boats in Gulf of Tonkin. On Aug. 5, Seventh Fleet carrier aircraft from the USS *Ticonderoga* and USS *Constellation* strike North Vietnamese bases, destroying PT boats in retaliation for unprovoked attacks on the U.S. destroyers. Naval Air has rapid reaction time, powerful impact over long distances.

April 1, 1967 — The USS *Will Rogers* (SSBN 659) is commissioned, completing the 41 planned Fleet ballistic missile submarines two years ahead of schedule.



MODERN DAY Navy fighter aircraft are equipped with more advance versions of the Sidewinder guided missile than this one shown in 1964 under the wing of an F-8 Crusader on board the Aircraft Carrier USS *Ticonderoga*. Dr. W. B. McLean, the second scientist to become Technical Director of the Naval Ordnance Test Station (now NWC), invented the heat-seeking missile. —Official U.S. Navy Photo

Nov. 14, 1969 — Apollo XII lifted off from Cape Kennedy manned by Navy Commanders Charles (Pete) Conrad, Jr., Alan L. Bean, and Richard F. Gordon, Jr. Lunar lander "Intrepid" demonstrated a pinpoint landing, man's second on the moon. Blast off for the first manned lunar landing mission took place on July 16, 1969.

Aug. 3, 1970 — The first underwater firing of a Poseidon missile takes place. The missile was successfully launched from the nuclear submarine James Madison 30 miles east of Cape Kennedy, Florida.

April 27, 1971 — The U.S. Navy chose Capt. Samuel L. Gravelly, Jr., to be the first black admiral. At the age of 48, Admiral Gravelly had come up through the ranks, seeing service in World War II, Korea, and Vietnam.

Jan. 10 1973 — Role for women in the services enhanced. Secretary of the Navy John Warner announced the selection of eight women to enter Navy flight training beginning on March 2. Navy women also went to sea as ship's crew with the recommissioning on Nov. 17, 1972, of the hospital ship *Sanctuary*. Two women officers and 60 enlisted women were in both hospital staff and ship's company. Before, women had served only with the medical staffs of hospital ships.

Feb. 12, 1973 — Led by Navy Capt. Jeremiah A. Denton, the first group of 116 American prisoners of war was released in Hanoi by North Vietnam and returned in U.S. aircraft to Clark Air Force Base in the Philippines. Capt. Denton's first words upon arrival at Clark AFB were: "We are honored to have the opportunity to serve our country under difficult circumstances. We are profoundly grateful to our Commander in Chief and to our nation for this day. God bless America."

May 25, 1973 — An all-Navy crew of astronauts, Skylab 2 Capt. Charles "Pete" Conrad, Joseph P. Kerwin, and Paul Weitz, rode an Apollo spacecraft to rendezvous with the Skylab orbiting space workshop. They repaired its crippled solar-power wing panel and on June 17 broke the Soviet's previous record for man-in-space. After 28 days in orbit, they splashed down safely in the Pacific on June 22.

Sept. 20, 1975 — The *Spruance* (DD-963), lead ship of a new class of destroyers, was commissioned in Pascagoula, Miss. The ship is named for Admiral Raymond A. Spruance, who commanded Naval forces in the Battle of Midway and in the invasions of Tarawa, Saipan, Iwo Jima and Okinawa during World War II. The first major U.S. surface combatants powered by gas turbine engines, the *Spruance*-class destroyers are designed for anti-submarine warfare. They also are capable of performing shore bombardment, search and rescue, amphibious assault support, surveillance, blockade and escort missions:

1975 — Based on the sea and its broad highways, U.S. forces are employed throughout the world to thwart aggression against peace-loving peoples.



ONE OF THE NEW GENERATION of the U.S. Navy's nuclear-powered guided missile frigates is the USS *South Carolina*. Large multi-purpose warships of this type are intended primarily as protective screens for fast carrier forces. Their military mission is anti-aircraft and anti-submarine warfare.