

This newsletter is compiled by W.R.Skelley, Jr, Chief Yeoman, U.S. Navy. Published monthly(except July and August) in the interest of philately and distributed at no cost other than postage and handling from unsolicited gifts of U.S. postage to defray expenses incurred in the preparation and and distribution. This newsletter is distributed upon request to promote the collecting of U.S. Navy ship postmarks and cachets and special event covers and stamps honoring the Navy. Future issues of this newsletter may be obtained by sending a (long) stamped self-addressed envelope to: 1210 Harle Avenue, Chesapeake, 6, Virginia. Translated and reproduced in Germany by: Mr. Ulrich Naumann, 3392 Clausthal-Zellerfeld, 1. FmBt1 762, Altenauer Str 24, Germany. This is not an official U.S. Navy publication.

OCEANOGRAPHY- WHAT IS IT??????

Oceanography is defined as "the geography of the ocean and the study of all it's phenomena. Rear Admiral Edward C. Stephen, U.S. Navy, the Oceanographer of the Navy recently wrote that we have no built-in superiority because of our men, money or materials and it is extremely dangerous ignorance to speculate along these lines. Horizons are limited because of lack of knowledge of our environment. He states, he firmly believes that we have not yet scratched the surface of the service(oceanography) can render to national security. Our approach to antisubmarine warfare will be revolutionized, as we learn about the ocean. Most of us will agree with Admiral Stephan that the oceans control the effects of weather. Accumulation of new data will assist forecasters to alert certain geographical areas of probable or imminent tidal waves and storms that take hundreds of lives and tremendous property damage annually. Experiments with fish have revealed startling facts about sea life and habits. What intuitiveness causes a scholl to fish to be able to veer suddenly and move with precision in another direction? How are salmon able to return from the ocean, to the river of their birth, in order to lay eggs and then die? We know sharks have two separate mechanisms - could this be a sixth sense in the shark's sensory system? Some believe a shark downstream of a swimmer could smell blood driblets or other body excretions. How can you explain how sharks up-stream can find a future victim? Where did the California Coast tuna population go in the past few years? Why are oysters being depleted? We know seals disappear from the Aleutian Islands after the mating season. Where do they go? Since seals are not know to hibernate-fish must be in abundance wherever they go. Research can take the element of guessing out of fishing and result in more food for an undernourished world. Many kinds of vegation and sea life may prove to be nutritious foods. Studies of sea life such as the shark may lead to advances in ship and underwater design. The ocean is a vast unexplored treasure house of food, water, oil, minerals and vegation. Everyday, the population of the world explodes by 100,000 more births. Better health standards and fights against disease have reduced the death rate. Still 70% of the human race is undernourished. The present requirement for fresh water will be doubled by 1980 but the world's supply diminished. Some areas today are faced with a shortage of fresh water. (continued on the next page.

OCEANOGRAPHY(continued from page one)

The ocean has been referred to as a global thermostat. There is not much doubt that the inter-action of the ocean and the atmosphere actually creates weather. The Soviet Union has intensely occupied trends in occanography. Hundreds of innocent looking fishing traulers have a dual mission. One is collecting oceanographic date and the other is gathering hydrographic intelligence for military purposes. The later is apparent from their keen interest in shorelines, soundings, photography and passing ships.

All writers on this subject agree that a Nation that concentrates efforts on a undersea warafre could very well be the winner of such a war providing that

Nation knows most about the oceans and it's mysteries.

This article is submitted to make you aware of our government's interest in Oceanography and how important it is to survival and peace.

Briefly mentioned are a few Navy ships whose designated assignments include probing into the wonderous oceans:

USS MAURY (AGS-16) and TANNER (AGS-15) conduct precise coastal surveys and reproduce field charts of data collected.

USNS MICHELSON T-AGS-23 conducts occanographic survey operations including measurements and observations pertaining to bathymotry, gravity, magnetism, currents, sea ice limits and wave height and direction.

USS SHELLDR KE (AGS-19) obtains coastal and ocean bathymetric observations. USS LITTLEHAL S(AGSC-15) conducts shallow water occanographic surveys. The submarine USS ARCHERFISH(AG(SS)-311) does ocean bathymetric and gravity

USS SAN PABLO(AGS-30) conducts complete ocean surveys for military projects and limited hydrographic operations.

USS KOINER(DER-331) is making occangraphy tests in the Pacific as reported last month's issue.

KATALOG	KORNER
And the second second	-

NAME OFFICE OFFICE YES	C.CHET No	REMURKS Willing to concel collect
USS AJAX (AR-6) Yes USS ALCOR(AKA-259) Yes	No Yes	or covers. Not willing Willing to help.
USS AGERHOLM(DD-826) Yes USS INGRAHAM (DD-694) Yes	Yes *	Yes-Numerous stamp collectors on board. Willing to help;
USS DODGE COUNTY(IST-722) Yes USS ENTERPRISE (CV. (N)65 Yes USS ERCTURUS(AF-52) Yes	Yes	No remokrs
USS DEALEY(DE-1006) Yes	No	Postal Clerk appears to be interested in covers.

^{*} Cachet expires 31 Dec 1962.

NEW CACHETS DISCOVERED

A friend R. Clifton Campbell informs us that the USS SEA DEVIL (AGSS-400) has a small cachet about the size of a half dollar. Do you have this one? Thank you sir. NOTES ON USCS NUCLEAR SHIPS CHAPTER

MEMBERSHIP To join USCS Nuclear ships Chapter you must be a member of USCS first.

USEFUL TIP When you are in doubt about which FPO to use always use FPO. New York, New York. Have fun and keep smiling FORTECOMING NEWS ON GERMAN SHIP CACHETS The January issue will contain an article on German Naval Chip cachets or ship marks. I needed to do more research on this Hand Grip Project, SPONSORED ON BEHALF OF THE PRESIDENT'S PROPLE-TO-PROPLE PROGRAM -YOUR PROGRAM.

EDITORS VIEWPOINT .

Mail dispatched on sailing ships and cancelled upon arrival in a foreign or U.S. ports have four particular points of interest such as the cancellation, ship's mark, cachet or stamp and postmark.

Many collections of shipmail can be arranged around anyone of these themes. Port of arrival cancellations often include the world paquebot, posted on board, posted on steamer, paquete and Navire. This word "Parquebot" has been adopted by the Universal Postal Union for use on shipmail. Designs are found in various designs. Some collectors specialize in these Parquebot covers. A collection of U.S. Champion of Liberty, Territorial issues or the over-run countries would certaily enhance any collection which had been posted on U.S. ships and properly cancelled with some stamp designating the port and Nation involved. Some collectors find cancellations more appealing i.e, cancell-

ations rather than ship's marks, cachets or stamps.

A general collector of shipmail based upon cancellations could be arranged alphabetically on loose leaf pages. I stress the use of loose leaf albumns due to their semi-permanet arrangement etc.

Some good port cancellations appear on French, Italian, Spanish, Danish, German

Another idea is shipmail cancellations that may be limited to a particular area of the world, fleet or type of ship and can be arranged in several ways too numerous to mention.

Probably the most interesting collection is a specialized collection where over a period of years the individual has had ample time to study his subjects, find suitable illustrations and write up material and devote more time to his own speciality.

This month, I have begun a personal campaign to find friends in other countries who would service covers from visiting U.S. Navy ships. This is the reason, I propose that cover collectors should use stamps that add color and accentuate some significant historical achievement by an individual from that Nation. For example, a U.S. Navy ship visiting India could service your envelopes with Ghandi Champion of Liberty; Spain-Colombian issues and a look through Scotts catalog will refresh your memory of the stamps the United States has issued since becoming a Nation.

Unfortunately, some collectors only use regular issues stamps such as the 46. Lincoln or Mashington's etc. A personal experience lead me to select the Project Mercury stamp for my Carpenter covers. Now, since we have large printings of several millions it's not necessary to rush out and buy up or hoard up certain issues. Just keep in mind when ordering your stamps from the Philatelic Sales Agency, Post Office Department, Mashington 25, D.C. events such as Independence Day; Navy Day, Mashington's Birthday; Polar Deployments and Recover Force ships. Perhaps, your covers will take on a "new look" or appeal with more color with the U.S. Flag stamp enhancing your next Independence Day cover next July 4th.

The Brian McMahon, Naval Aviation, Flag Stamp, Dag Hammarskold stamps are among those not to be overlooked.

******* SEASON'S GREETINGS ******* *

The Skelley's Ma and Pa, Billy, Blanche and David(the curtain climber) wish to extend to each and everyone of you and yours a genuine Christmas where Christ really reigns. May the New Year 1963 be filled with Peace and Prosperity not only for ourselves but for all men regardless of their race, religion or creed. That we may each be blessed with enough strength to do according to our capabilities, our part in order to make this wonderful world of ours a better place to dwell.

KNOWN CUBAN BLOCKADE SHIPS

A partial list of the 63 vessel fleet. This report is unconfirmed but reliable WRANGELL (AE-12) SALAMONIE (AO-26) INDEPENDENCE (cva-62) ENTERPRISE(CVA(N) 65) DEWEY(DLG-14) STEINAKER(DDR863) ENGLISH(DD-696) LEARY(DDR879) OGLETHORPE (AKA-100) E.B. HALL(APD-107) CAMBRIA(APA-36) CASA GRANDE(LSD-13) DAHLGREN (DLG-12) OKINAWA (LPH-3) BLANDY(DD-943) YANCEY (AKA-93) KRISHNA (ARL-38) STICKELL (DDR-888)

CORRY(DDR817) HANK (DD702) LEAHY(DIG_16) LAFFEY(DD724) BIDDLE(DDG-5)

YORK CO. (IST-1175) WALWORTH CO. (LST-1164) LORAIN CO. (LST-1177) SUFFOLK CO.(LST-1173) RANKIN (AKA-103) SHADWELL(LSD-15) NEWPORT NEWS (CA-148) BOXER (LPH-4)

LEARY(DDR-879) WOOD COUNTY (LST-1178) ELOKOMIN (AO-55)

BARRY(DD-933)

UVALDE (AKA-88) NORFOLK (DL-1) DUPONT(DD-941) KRAUS ((DD849) DENEBOLA (AF-56) RIGEL(AF-58) J.C. OWENS(DD776)

TERREBONE PARISH (1156) J.R. PIERCE(DD-753) J.P.KENNEDY, JR(DD-850) FORT SNELLING(LSD-30) J.W. WEEKS(DD-701) THETIS BAY(LPH-6) VESOLE(DDR878)

VERMILLION (AKA-107) FRANCIS MARION (APA-249) CHARLES P. CECIL (DDR-835)

Cachet covers of Foreign Naval Vessels visiting Norfolk. Postmarked on U.S. ships with T-2 and T-9 postmarks including a foreign naval marking. Also have some cachet covers from U.S. ships of recent Cuban Blockade Duty. 15¢ each and 7 for \$1.00 Don't delay write today. T.G. Nicholson, PO Box 8097, Norfolk 3, Virginia ...

1962 BLOCKING AWARD.. The U.S. Navy should receive the 1962 Blocking Award for a top notch job during the Cubam Deployment. COMMUNISM MENACES FREEDOM AND PEACE. SHIP NEWS: USS HENRY CLAY launched at exactly 11:30 A.M. 30 Nov 1962. USS SAM RAY-BURN the 28th U.S. POLARIS SUB IS NOW FILLING THE BERTH FORMERLY USED BY THE CLAY USS GEORGE WASHINGTON is two years old on 30 Dec 1962. Happy Birthday to the crew.

CHANGES TO THE SHIPYARD ROUND-UP: SSBN-645 assigned to Newport News Yard SSBN-643 & 644 assigned to Electric Boat Co, Groton, Conn. DE-1040 is named GARCIA; DLG-30 named HORNE: DEG-1 is BROOKE: DLG-29 named JOUETTE. USS DOLPHIN (AGSS-555) heel laid 9 Nov 62. Commissioning set early 1964. Powered by diesel electric last submarine in this caetgory is BONEFISH. USS HELENA to deactivate about 1 March 1963(FPO, San Fran). USS COLUMBUS is the 3rd ship to bear this named. She is manned by a crew of 66 officers and 1030 enlisted men. NOTIFICATION OF ADDRESS CHANGE: Effective 1 Jan 63 our new address is: 1210 Earle Ave.

Chesapeake 6, Virginia. The postmaster has not announced any special post office cancellations or change in the postmark.

LEST WE FORGET

CONGRATULATIONS AND THANKS THAT ARE OVERDUE Naval cover collectors owe Chief W.W. Glenn, USS ENTERPRISE (CVA(N) 65 a genuine "Thank You" for his untiring efforts insofar as servicing collector requests. From one Chief to another "Thank You" and wishing you the best Christmas ever.

CHRISTMAS GIFT TO A COLLECTOR:

If you would like to give a copy of this newsletter to a fellow collector or to someone who has indicated a desire to collect naval covers. Send me a stamped self-addressed envelope with your note or christmas gift card enclosed. Merry Christmas to all and a prosperous New Year.

USS NAUTILUS, the first nuclear submarine is to be overhauled at the Portsmouth Naval Shipyard, Portsmouth, N.H. The Nautilus was built at the Electric Boat Co. in 1953. Work is scheduled to begin in June 1963.

END OF YEAR NAVAL OR FDC COVER ACCUMULATIONS OFFERED::

A selection of naval covers or U.S.FDC(first day covers) is available from my daughter Blanche. State preferences. First come, first served. Limited quantity and offer expires 31 December 1963. Substitutions will be made on late orders received. Norwegian Lady, Cuban Blockage, Independence Day and others. If U.S. or foreign F.D.C. are requested please state needs. This offer must be limited to a single order per collector. Individual covers not sold. Profits after her expenses go to Educational Fund. Write to: Miss Blanche Ann Skelley, 1210 Earle Avenue, South Norfolk 6, Virginia. Repeat orders on Glenn and Carpenter covers may be filled.

KATALOG KORNER:::: HERE IS WHAT YOU DO

If you have a green memorandum enclosed with this month's newsletter please mail it to the: Postal Clerk, USS OKANDOAN APA 220 FPO San Francisco Enclose a stamped (.05¢) self-addressed envelope with my name and address on it and the results will be published earliest date permitting.

MAIL CLERK COMPLAINS

R.D. JONES, USS KASKASKIA (AO-27) writes that collector envelopes for the Schirra event were not received for processing by the appropriate date. The 30-40 covers that Jones had prepared himself exceeded the demands the tremendous made by collectors. Some of you folks owe Jones an apology and others need to understand that servicing collectors mail is NOT an easy job. By all means please be a little more considerate and less demanding.

NUCLEAR SHIPS CHAPTER #61, 1225 B. Marquette Street, Appleton, Wisconsin has the following chapter sponsored cachets available at .30¢ each. Savannah visits San Francisco or Savannah visits Long Beach and Los Angeles, California. Bach cover has the Savannah's silhouette with atomic symbols. No Cuban Blockade covers anticipated by this USCS Chapter.

LATE NEW CONSTRUCTION - Keel laid 15 Now 1962 for the still un-named LPH-9 (Helicopter Ship) at Philadelphia, Pa. Completion date tentatively projected as November 1964. Will carry 2000 troops and capable of operating 20 to 40 helicopters.

SPECIAL NOTICE TO U.S. READERS

This publications has been issued at no expense to readers except their own voluntary contributions of mint U.S. postage (unused). These gifts or contributions do not cover my expeses and due to the increased subscriptions (unpaid), it becomes necessary for me to do something, if you still want me to put out this paper. My proposal is to accept paid annual subscriptions (10 issues for you. The other alternative is obvious.

INSTRUCTIONS FOR HELPING WITH THE KATALOG KORNER AND NEWS RELEASES

Many of you have expressed a desire to help continue making Katalog Korner a regular monthly item in the newsletter. Here is what you do if you received a green letter with this month's copy of Navohilately:

1. Send the green memorandum to the ship designated and enclose the stamped envelope. This means if will cost you 8cents if you mail it promptly. 2. You furnish the necessary postage

and I furnish the green memorandum and the return envelope. Upon receipt of the information requested, it will be published in the next newsletter. There are some 1200 ships to be covered and this procedure will allow you to keep up to date on new cachets and postmarks. 3. Should you find out about a new cachet or postmark send it in to me for the benefit of others.

NEW CONSTRUCTION OR CONVERSIONS:::::: NORTON SOUND AVM-1 will be converted by the Maryland Shipbuilding Corp, Baltimore, Md.

HOWEPORT CHANGES IUNIEY goes to Holy Loch 15 Feb 63. relieving PROETUS which is returning to the U.S. PROETUS may go to Rota, Spain after yard period and HOLLAND may go to Guam instead of PROETUS as previously reported or believed in some circles.

DECEMBER COLLECTOR SHIPMATE OF THE MONTH Mr. Ulrich Naumann, whose address appears in the masthead is hereby nominated as Navohilately's December choice of the month. Mr. Naumann is in the service of his country and certainly is deserving of this mention in view of his constant efforts during 1962 to promote goodwill. understanding and peace between his countrymen and ours. U.S. and European collectors wish to take this opportunity \$2.00 which includes mailing the paper toto say ""ell Done" and have a Merry Christmes and don't get too jolly.

USS BURRFISH(SS-132) is now the HMCS

本本本本 大水水水水水水水水水水水水水水水 The following cachets are still available USS MACDONOUGH-Commissioning 25¢ each or 5 for \$1.00

USS BAINBRIDGR-Lounching 35t each or 3 for 1.00. Commissioning covers same price. Send with your order a long stamped selfaddressed envelope. 1 Jan 1963 start using a 5% stomp. Where? Cachet Committee. P.O. Pox 8, Quincy 69, Massachusetts.

ATTENTION ON DECK ... Collectors who sent Mr. Mal C. Malker, envelopes for keel laying cachet are reminded the event has been delayed and . their envelopes will require an additional 1¢ postage.

T. G. NICHOLSON, P.O. BOX 8097, Norfolk, VE advises he has some covers concelled or stamped aboard foreign naval training ships (some are U.S. ships on loan to foreign governments) and offers them at seven for \$1.00 COMMISSIONING ANNOUNCEMENT:::::: USS RAPHAEL SEMMES (missile destroyer) scheduled for commissioning on 10 December 1962 at Charleston, S.C.

SHIP KOVER SAIL ... Cacheted & postmarked covers (some unaddressed) 8 for \$1.00 10 day inspection if desired. Write to: RICHARD J. KOLADY, SM3, U.S. Maval Degaussing Station, Long Beach, California

DISPOSING OF U.S. FIRST DAY COVER DUPKICATES: Mrs. C. A. Rose, a Norfolk lady is disposing of her send lot of duplicate FDC. This lot consists of some 30 odd FDC 1937-1946. Covers are sealed and lot includes 9 very nice statehood covers(not FDC) seldom seen. Previous lot brought \$6.00/No duplicates and postcard bids must be received by 20 Jan 1963. Suggested bidding starts at .15 cents per cover.

MAIL ON BRITISH WARSHIPS

All mail posted on any British Naval ship is handled in exactly the same . manner, regardless of geographical location. Letters are sent to London where they are all stamped with a canceller "Post Office Maritime Mail" without date or location inscribed thereon. British warships do not have a Post Office or postmark. Ship's company personnel mail has no marks applied whatsoever except the postmark applied in London. If you sent covers to British ships they would not be aware of what is required. Regulations forbid the ship's office stamp or the Captain's stamp to be applied to any covers apart from official government letters, covers or seals. Therefore, it is almost impossible to obtain se rviced covers in the manner handled on U.S. Navy ships.

Almost impossible that is except that Mr. Silhanek advises that the British Nuclear Submarine H.M.S. DREADNOUGHT

may be sent to:

FIRST LIEUTENANT
H.M.S. DREADNOUGHT
c/o Vicens Armstrong Co.
Barrow in Furness,
Lancaster, England

Covers will be held for First Day in Commission cancellation or cachet. Sea trials are now underway. Collectors interested must send stamped self-addressed envelopes using postage of Great Britain or send an International Reply Cupon to over the postage that must be applied before mailing back to you. Your local post office may be able to tell you the correct amount of English postage needed.

U.S. NAVY OFFICER RANK ABBREVIATIONS

COMMISSIONED OFFICERS:

FADM- Fleet Admiral

ADM - Admiral

VADM Vice Admiral RADM Rear Admiral

COMO Commodore CAPT Captain CDR Commander

LCDR Lieutenant Commander

LT Lieutenent

LTJG Lieutenant (junior grade)

ENS Ensign MIDN Midshipman

A REMINDER. DON'T FOREGET 1963 brings in creased postage rates which means .05 cents par cover now, DID THIS HAPPEN TO YOU???????? No sooner had the ink dried on the USCS Log for November which listed me as number 4496 than a package of naval covers arrived on approval. These covers were .25 cents each and not very good quality. Among the five covers sent on approval were a 1946 Thanksgiving cover postmarked on the DICKSON(DD-708); 1949 DUXBURY BAY(AVP-38): D.H. FOX(DD-779) and the pay off was a MINDORO CVE-120 with a cacheted envelope of the "omen's Rights Conevention -1948(postmarked in 1949). Turning to the fifth naval cover with three incomplete postmarks of the EVERSOLE(DD-789) added insult to injury but the cachet "Stamp'em out" depicting three hideous faces of our former enemies sickened me. Today, we are at peace or at least we are having a Thanksgiving and something to be thankful about. This cover is without a doubt the worst piece of trash I have ever seen, Furthermore it is not in keeping with our aims to make former enemies our allies nor is it commensurate with good morale practices. The covers will be return when the sender sends me the postage. Don't be hoodwinked or taken in by the desire to add covers to your collection. Insist on quality when purchasing covers.

COMMUNISM MINACES FREEDOM AND PEACE..

NOTIFICATION OF ADDRESS CHANGE Effective January 1st my new address is: 1210 Earle Avenue, Chesapeake 6, Virginia

INFORMATION ASSISTANCE

If you have a thought provoking question or need help on your collection just send me a stamped envelope and I'll do my best in between the holidays.

PUBLICATIONS

I would like to commend to your reading "The Man without a Country" by Edward Everett Hale during this holiday season.

This is the first of a series of special arrangements to be made during 1963 with collectors overseas to deposit covers on board visiting U.S. Navy ships (1 cover per ship). Here are the metails and pl please read them carefully as we kick-off the New Year.

1. Send stamped self-address covers with light weight fillers containing five cents postage to:

PROJECT HANDGRIP

1210 Farle Avenue

1210 Earle Avenue Chesapeake, Virginia.

2. A service fee of .05 cents per cover is requested to defray cost of re-mailing and cachet etc. No postage dues will be accepted or returned.

3. Use only white 6-3/4 size envelopes. European collectors desiring two of these covers may send me mint stamps and I will provide the envelopes and postage for them. Please use the correct size envelope and print name and address very clearly.

4. All covers must be received by 31 January 1963 and it may be several months before you receive them from foreign ports.

5. Cachets will be applied as practicable.

X-CHANGE KORNER
Will exchange naval covers for unused
foreign or U.S. stamps. Complete sets
desired and preferably not hinged.
Stamps are desired from Israel, UAR,
LITCHENSTEIN, PORTUGAL, RUSSIA, U.S.A.

UN, CAMEL ZONE, RYUKYUS, SAAR, SPORTS, SCOUTS, FLOWERS, BIRDS, INSECTS, SPACE VATICAN, ANIMALS AND OTHERS. SPECIFY ON A POSTCARD IN ENGLISH WHAT YOU HAVE TO TRADE EITHER IN CATALOG VALUOR FACE VALUES. HIGH CATALOG VALUES ACCEPTED. DO NOT SEND ME ANY STAMPS UNTIL I RETURN YOUR DETTER WITH MY OFFER. HAVE SOME FOREIGN OR U.S. FIRST DAY COVERS ON HAND(NOT NAVAL COVERS). USED STAMPS NOT DESIRED.

There is no change in the Internation postage rates and fees and this makes me very happy...

DURING THE MAD RUSH GETTING THE NEWS OUT FOR THE SCHIRRA EVENT I EVIDENTLY FORGOT TO SEND SOME COVERS TO THE SHILLISTED IN THE DOPE SHEET FOR THIS SPECIAL EVENT. SOON AS MY SCHIRRA COVERS ARE READY I'LL LET YOU KNOW AND MAYBE THE CAN SWAP COVERS HUH!

MINITURE SUBMARINE UNDER CONSTRUCTION IN SUPPORT OF OCEANOGRAPHY

A miniture submarine looking like a wierd fishing lure, capable or div more than a mille deep, is being bui under the Navy auszices in support o the oceanography program.

The 2 man sub will roam around the o ocean bottoms at greater depths than our nuclear or conventional subs. Th vehicle is be ing built by General Mills, Inc. (10 ton) and is to be com leted next summer. Coast Cost is to be approxmately \$6000,00 and will be operated by the Woods Hole Oceanograi ic Institute in Massachusetts. The st has been tentatively named Alvin for Allyn C. Vine who has been campaigning for such a deep diving vehilce for ma years. The Trieste now in use by the Navy is capable of limited horizonta movement and diving to 36,000 feet. The first research mission to be und taken by the Alvin will be a study of the continental shelf of the Eastern Shores pf the U.S.