Skate Proves Arctic Is Open Air Over Arctic Briton Favors Exchange To Year-Round Operations

The Skate's 'second underice Polar voyage in less than a year was being hailed by the Navy today as proof its atomic submarine can operate in that once-forbidden area any season

The Navy announced yester-day that Skate completed another trip to the North Pole on Thursday, setting new records for distance and time in Polar under-ice operations. Skate is en route back to her home base at New London, Conn. She is due there April 6.

First reports indicate that the 2,383-ton submarine logged 3,090 miles in 12 days in the permanent ice area. She held the old mark, set during her summer voyage last year, of 2,405 miles in 10.5 days.

Scatter Wilkins' Ashes

Comdr. James F. Calvert and the 106 members of Skate's crew carried out a final wish of the late Polar Explorer Sir Hubert Wilkins "by scattering his ashes into the blowing snow in the half-light of the North Pole," the announcement said. Sir Hubert died last December without having realized his life-long ambition of reaching 90 degrees north.

The Navy said it acted at the request of the explorer's widow, Lady Suzanne. Sir Hubert took part in 24 expeditions to the Arctic and nine to the Antarctic. He tried, without success, to take an earlier Nautilus under the Polar ice in

North Pole Ceremony

In a message received here by the Navy, Comdr. Calvert

"On March 17, 50 years after (Commodore Robert) Peary, Skate was on the surface of the North Pole. In a solemn memorial ceremony conducted by Skate shortly after surfacing, the ashes of Sir Hubert Wilkins were scattered at the North Pole in accordance with his last wishes.

Comdr. Calvert knew Sir Hubert personally. The veteran explorer had visited the commander aboard the Skate last

The memorial ceremony was held on the deck of the Skate, with the red light of a torch casting a glow on the scene. Flags of the United States, Great Britain and Australia (Sir Hubert's native country) were displayed. After a firing squad's farewell salute, the ashes were released into the

Before the Skate submerged, its crew left on the ice a heap of stones containing notes and the American flag.

over, "father" of the nuclear submarine, said in an interview that Skate tried something new this time-she "punched her way through" relatively thin openings in the ice than apice to surface at the North Pole. pear in summertime, She carried no special equip- The commander, who serves ment to break through, but on the staff of Rear Admiral simply used her weight and Frederick B. Warder, Atlantic momentum to crack the several Fleet submarine chief, said inches of salt-water ice.

is that the entire Polar area ened with heavier plating after is now open to military opera- the Nautilus got banged up a tions. The world is becoming bit by the ice in 1957. This an even more dangerous place protects the periscope, radar in which to live as another and communications equipment huge area has been thrown when the submarine breaks open as a possible arena of through ice to surface.

He called for many more exploratory voyages so that, the bottom, where we can hide" a very sensitive television anybody in the West should He added that scientists are -meaning, presumably, where transmitter. ballistic missile submarines and the event General Dynamics Corp., which the aid of military threats. to

would be a series of additional ice-prober."

R. D. McWethy, said Skate's journey along with the televitask was to discover how to sion camera, which was operate in lower temperature, mounted in a pressure-resistfind its way in the Arctic dark- ant container. ness and maneuver with fewer

BRACELET, 5 sacred medals; lost Mar. 17, betw. F and 11th sts.; sen-timental value, gift from my late husband; \$25 reward, RE, 6-3519. beagle, small, female, pink col-vicinity Greenbelt; liberal re-l. GR, 4-4571. DOG, beaglue, small black and white female; green collar; Oxon Hill, Md. Roward, LO, 7-1458. BOG, collie, red/brown with white ruff and paws; female, 10 mo.; recent surgery; collar, no tag; strayed from vic. Hillerest, Marlow Heights, Md. Answers to "Snerpa." Reward. RE. Skate left New London on May 23 to June 7, the Pentagon said yesterday.

Skate left New London on May 23 to June 7, the Pentagon said yesterday.

About 17.000 regular Army

Answers to "Snerpa." Reward. RE. 5-4666.

DOG. dachshund, male, black and brown; answers to name of "Omah." vic. Bilver Spring. HE. 4-5475.

DOG, French poodle, black, unclipped, red collar; vic. Princy Branch and Dale; \$20 reward. JU. 9-3309.

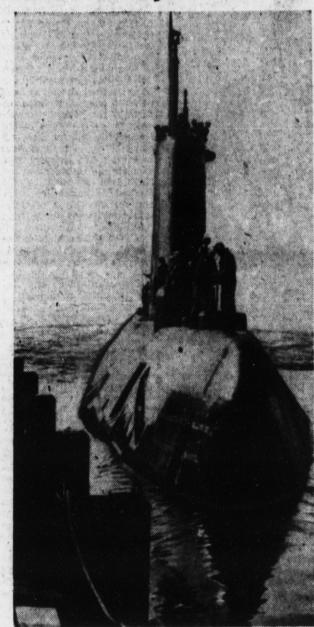
DOG, Pekingses, AKC reg.; parti-colored male; tags; answers to "Kikee"; child's pet. LO. 5-0290.

DOG, terrier, female white with black cye, partial black ear. 3 black spots on body, bobtail; answers to name of "Sheno"; guide chain around neck; reward. Call Li. 7-6574.

EARRING, size of quarter, 8 bluegreen stones, coral center; vic. Natl. The 46-8342.

ENVELOPE POCKETBOOK, black: S-2 ENVELOPE POCKETBOOK, black: 8-2 bus. 13th and Pa. ave.: anxious to recover glasses and ident.: reward. RA. 31-9249 after 7:30 p.m. HANDBAG, red, lost on 34th st. s.e Reward, LU, 2-8758. KEYS, probably in cab between War-ner Bidg and District Court; reward KI, 9-3158. KEYS, R st., near 31st n.w. Phone EM. 3-4028. METROPOLITAN POLICE BADGE, No. 149. Call WA 7-5596 POCKETBOOK, on G st., between 11th and 12th; black calf. 2 handles; keep money, return other contents. FE. 3-9349, NA. 8-2740. WATCH, lady's, gold, Hamilton, with intials E. E. B.: black cord band: on March 27: reward, RA. 3-1215. WRIST WATCH, lady's, Gruen, Thurs. Wis. ave. vic. Perpetual Bidg.; re-ward. OL. 2-1849.

FOUND EYEGLASSES, red case, on Wis, ave near St. Alban's Episcopal Church FE. 3-7266.



CAST OFF-Members of the nuclear-powered submarine Skate gather on deck as she gets underway at New London, Conn., for her record-breaking trip earlier this month for the North Pole.-AP Photo.



JAMES F. CALVERT Skate Commander

Skate also surveyed the bottom contours of the Arctic and photographed the ice canopy The admiral said the winter above it on its submerged runs. exploit of Skate under the Polar In reply to a question, Comdr.

pack "demonstrates that we McWethy said that the "sail" can do it at will," and added: or conning tower of all nuclear The meaning of this trip submarines had been strength-

Carried TV Transmitter

Other Naval officers at a was composed of "two telescop-Pentagon briefing said there ing pieces for double duty as an Polar voyages, but declined to lease, said the antenna was in-One of these officers. Comdr. stalled at the outset of the

> The statement said the television camera, once used on an Army tanker, was extra sensitive to light and ideal for the

poor visibility near the North Pole at this time of year. tures of the submarine's surthe ship, acting in effect as an spring.

Business Is Sweet

Russia Blasts At De Gaulle

LONDON, Mar. 28 (AP)devestating rebuff" would follow any attack on Soviet troops

iet troops.

He said anyone interfering others coming to their aid regard to the Western powers but belts of tiny particles.

The Tass statement, broadnot

"He prefers to operate in military terms . . ." Tass said. "But if it is necessary, it can

have any illusions. . . . built the craft, said the antenna heat up the atmosphere around Mr. Christofilos, originator of Berlin, Gen. de Gaulle is striv- last summer's high altitude Western powers from responsi- and Dr. S. Fred Singer of the bility for a clash which might University of Maryland believe

War Games Set Near Fort Bragg

By the Associated Press war will be fought by Army merge. In this connection, he The camera transmitted pic- and Air Force units in North roundings to receivers inside Carolina maneuvers later this

improved version of the peri- The war games will be held near Fort Bragg, N. C., from

troops, including the 82d Airporne Division, will join more than 1,800 Air Reservists and HONOLULU.—Sugar is Ha- Air Guardsmen in operation waii's chief business, producing "Dark Cloud-Pine Cone." Two one-fortieth of the world sup- hundred Air Reserve and Guard aircraft will be used.



By WILLIAM HINES

The British government's top scientific adviser believes security classifications are "a very serious barrier to inter-national communication" which tend to confine scientific knowledge "tightly in little channels.

Furthermore, a freer exchange of scientific information the cold Arctic as it is at equal across the line that divides West from East would be of benefit to the whole world, Sir Alexander Todd told newsmen yes- a situation in which medicine

terday. This phenomenon has helped Sir Alexander, whose job as of tuberculosis, or sleeping sick-Sir Alexander, whose job as of tuberculosis, or sleeping sickscientists visualize one of the
world's newest discoveries, the
Van Allen radiation belts that
hover miles above the earth.
United States space probes
first proved the existence of
these belts.

Sir Alexander, whose job as of tuberculosis, or sleeping sickness, or cancer, under secrecy
rules?

"If penicillin's discovery had
presidential Assistant James R.
killian, jr., is in Washington for
these belts.

the theoretical division of the weeks. National Aeronautics and Space Administration, yesterday described the experiments con-

Twice as Hot

As Elsewhere

It's twice as hot high above

ern Manitoba, readings of 4,000 point. degrees Fahrenheit have been

2,000 Degrees Maximum

But, at similar heights above rocket launching sites at White Sands, N. Mex., the highest temperature recorded has been about 2,000 degrees.

Dr. Jastrow explained that the difference depends on the shape of the Van Allen belts. Instead of circling the earth uniformly, they tend to bend toward the earth at the poles. poles at all, he said.

Scientists have described the formed by iron filings when tion for impersonating an officer. placed near a magnet. They The investigation began arrange themselves far from Reserve Sergt. Ronald E.

The radiation belts arrange in the Naval Gun Factory bearthemselves the same way ing a collect telegram. around the earth. Over the Arctic and Antarctic, Dr. Jastrow explained, high energy

the air 125 miles above New he came. Tass today warned French Mexico is cooler than the air A second Bristol Reservist President De Gaulle that "a 125 miles above the Arctic. who also received a telegram

Two Radiation Belts

in the Berlin area.

Space probes and satellites have shown that there are two agency accused Gen. de Gaulle of trying to "heat up" the Berstarts at 1,500 miles from the control of trying to "heat up" the Berstarts at 1,500 miles from the control of trying to "heat up" the Berstarts at 1,500 miles from the control of trying to "heat up" the Berstarts at 1,500 miles from the control of the cont lin crisis by providing "grist to earth and extends to 3,000 A fourth, Sergt. William the mill of those who would miles. The second belt, con-Spangenburg, was told of the

nce and was sparked by the President's of the belts was discussed here cided to go ahead anyway to recent news conference warn- yesterday at a NASA seminar see some old buddies as long as ing that any blockade of Ber- by Prof. Thomas Gold of Har- he was packed. lin by East German Commu- vard University, Prof. Eugene nists would threaten the world Barker of the University of with a clash of allied and Sov- Chicago and Prof. Nicholas of California.

with the passage of Western tists attending the seminar Philadelphia termed it a practroops to Berlin and "any agreed that the Van Allen belt tical joke. would commit a hostile act with were not radiation bands at all Agents today are looking for any conflicts which might cally charged," Dr. Jastrow said.

cast by Moscow radio, said because the intensity of the interest to an irregularity in Gen. de Gaulle, "to judge by particles follows exactly the the earth's magnetic field—a his statement, is apparently configuration of the earth's hole over South Africa. He said interested in reaching magnetic field. That field acts it has been suggested that paragreed decisions on the Berlin on charged particles but not on ticles fall into the hole and neutral particles or light rays." descend to lower altitudes,

Agree on Origin

Dr. Jastrow said he and Dr. radiation layer. The Skate was equipped with be recalled that force could Gold, among others, agreed that "we can find out what is on a retractable whip antenna and always be answered by force if the outer belt is of solar origin. still arguing about the origin "Trying in this way, with of the much more deadly inner

ing in advance to absolve the argus radiation tests, said he that the inner belt is not of solar origin but is produced by the impact of cosmic rays on the earth's upper atmosphere. resulting in the emission of high energy neutrons or neutral atomic nuclei.

Dr. Jastrow said scientists still do not understand why the A make-believe "brush fire" two belts of particles do not

Of Science Knowledge

would try to deal with problems

this country. He will be in the antibiotics would have been Dr. Robert Jastrow, chief of United States for about three much slower than it was."

determined that only four tele-

grams were sent from a Bristol

telephone instead of the 100

If the person who sent the

telegrams can be identified, he

EASTER SUNDAY

DINNERS

Sugar Cured

BAKED HAM

Raisin Sauce \$1.85

ROAST LEG OF

SPRING LAMB

AU JUS

Includes:

Appetizer, Two egetables, Salad,

Rolls & Butter,

Dessert, Beverage No Cover, No Min. No Fed. Tax

saying he had seen.

Minces No Words International interchange in-The British scientist empha-cluding the fruits of Russian cerning temperatures and the sized that his opinions about science, even in this time of radiation belts. Instruments on security restrictions were per-cold war, would be of ultimate rockets measured the tempera-sonal and not a reflection of benefit to mankind, Sir Alexofficial British government sen- ander said. More than 100 miles above timent. However, he minced no Sir Alexander said his talks Churchill, in Canada's North- words after having made that with American officials, includ-

ing leaders of the National "The whole growth of science Aeronautics and Space Adminmeasured. This is more than shows us we can't hold things istration, covered areas in which 20 times the heat of boiling in little channels." Sir Alexan- Britain and the United States der said. "Consider progress could co-operate scientifically. that has been made in the field The British have no present of medicine. Can you imagine plans leading to placing a man

FBI Investigates Hoax On Marine Reservists

The FBI today is investigating the strange case of a phoney In fact, they may not cover the Marine Corps call to the colors which sent four Reservists of

from their homes to be mobilized. The whole thing was a hoax, but that's not the end of it shape as similar to the pattern The person who sent the four telegrams faces military prosecu-

The investigation began late yesterday when Marine the middle of the magnet but Blake, 22, of Bristol, Pa., ap- here, to ask him more quespeared at the Marine Barracks tions. They said it has been

Sergt. Blake was quoted as The message, he said, had particles from the belts ap- arrived at his home Thursday parently collide with the few night. The paper mill employe air molecules at an altitude of said the telegram cost his may be mobilized before a dis-125 miles, causing the intense mother \$1.06. It bore the sigtrict attorney. nature of a non-existent Ma-But over the rest of the rine colonel and "ordered" Mr. earth, the Van Allen belts are Blake to report to his last active too high for their particles to duty station at his own expense collide with air molecules. No He said that was 2½ years ago extra heat results. That is why here in Washington, so here

> who also received a telegram, was intercepted as he was about

like to poison the international atmosphere."

Sidered more deadly, has an hoax as he boarded a train for atmosphere."

Camp Lejeune, N. C., but de-

"There was no Marine Corps Christofilos of the University mobilization," said Col. Donald R. Nugent, and the Marine Dr. Jastrow said the scien- Corps 4th Reserve District in

Sergt. Blake, who was sent on "These particles are electri- his way by Marine officials

"We know that for certain, said, scientists are turning their where they hit more air and get taken out of the so-called

. . . the biggest, most complete fuel oil burner service plan we have ever offered to the Washington area!

LOOK for the announcement in this paper, Sunday, March 29. See Page 3, SUNDAY'S STAR for Announcement.

(BIFFITH-ONSUMERS 1413 New York Ave. N.W. ME. 8-4840



For reservations call EX. 3-3030 or EX. 3-3080 Ample parking only steps away . Closed Sundays Diners' and American Express Travel Cards Honored

in space, Sir Alexander said. underway between the United Chief efforts in the space States and the Soviet Union. sciences include vertical rocket

Regarding fallout from nufirings to altitudes of 100 to clear explosions—a chemical as 200 miles and the tracking of well as physical phenominensatellites by the huge radiotele- Sir Alexander said he did not scope at Jodrell Bank, near believe it had reached the peril

"My own feeling is that there No Space Race Plans certainly are obvious dangers Eventually Britain's space from this increasing fallout," program will branch out, he he said. "But the chief concern indicated, but he made clear lies in genetic effects, and I the United Kingdom has no don't think we have enough-inintention of getting into a formation yet to base an opin-

space race such as is now ion on its significance.

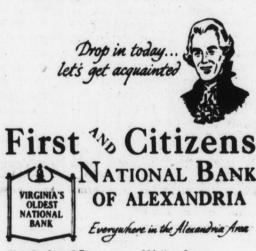
RECENTLY ARRIVED? Let us help you feel at home in Alexandria

If you miss the familiar scenes and friends of your old neighborhood or community, let us help you feel at home in Alexandria. It's a good place to live in . . . to work in . . . and, if we may say so-to bank in.

We'll take pleasure in becoming your own personal bank-giving you the same courteous consideration that you received from your bank "back home."

We have every kind of loan service; regular and economy checking accounts; savings accounts on which we pay 3% interest, and many extra services-such as drive-in windows and free parking at our branches and also at our Main Office in the heart of the Alexandria business district.

So, give us the pleasure of making your acquaintance. We'll do everything to make you feel that you're at home in Alexandria ... when you come into any one of the 8 offices of First & Citizens-Virginia's oldest national bank.



Main Banking Office Main Branch Trust Build

531 King Street 507 King Street

701 North St. Asaph Street 2809 Mt. Vernon Avenue 1827 King Street 3600 King Street

Facilities at Fort Belvoir and Gravelly Point MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION

LAST 2 DAYS!

FREE PACKAGE of CONES



COTTAGE CHEESE

OPEN 9 a.m. to 11 p.m. SEVEN DAYS A WEEK