



DEEP FREEZE





OPERATION

DEEP

FREEZE '67





Fighting the enemy at McMurdo – CMA2 M.E. Hendrickson rips through the roof of the snow melter during an early season fire.

The Men . . .

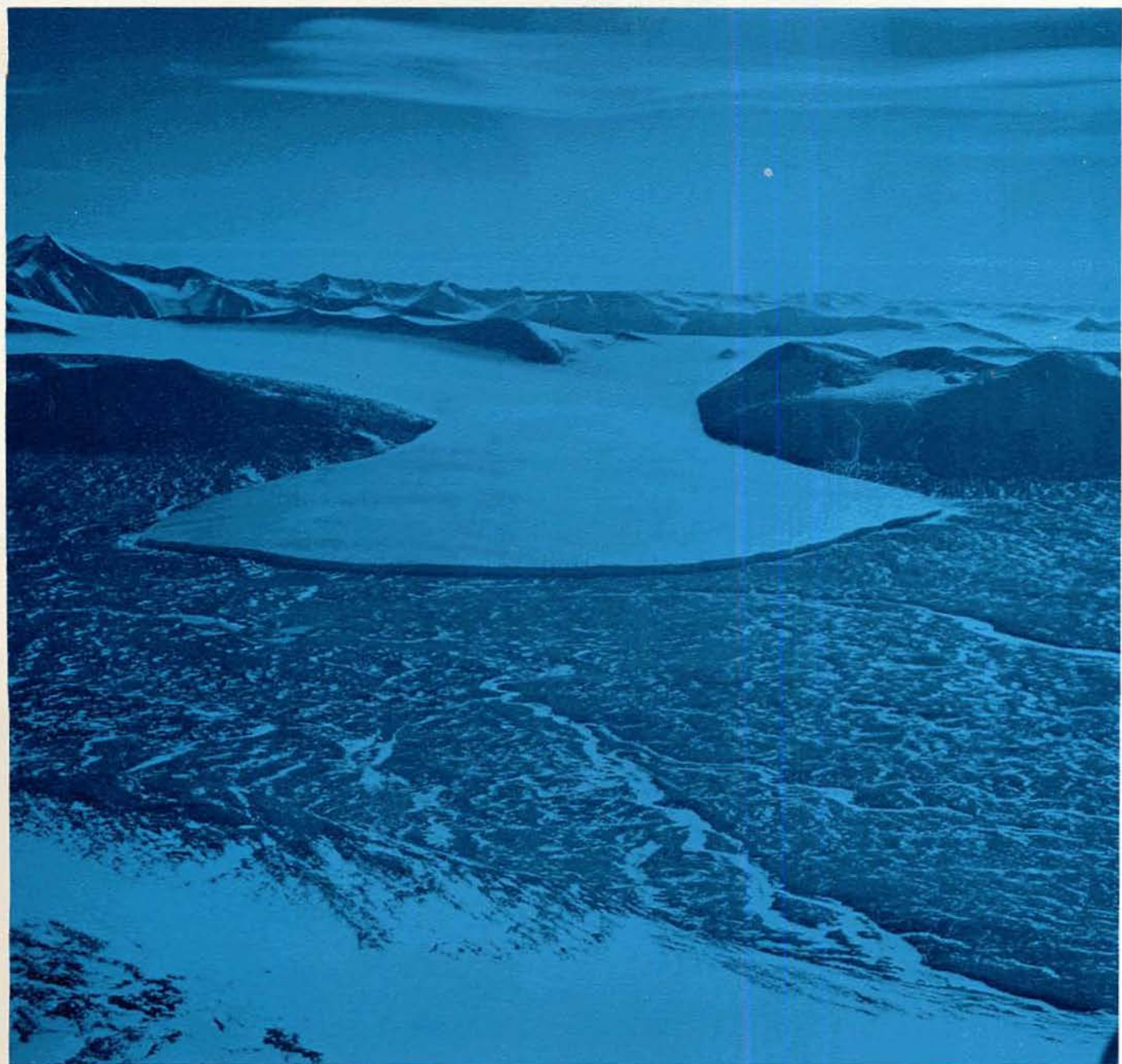


The Wildlife . . .





... and The Continent





*"My Sailors Look To God and Me
But I Have God Alone."*

- Fleming



ABOVE – Commander W.E. Smith, executive officer, Antarctic Support Activities.

LEFT – Rear Admiral Fred E. Bakutis, Commander, Task Force 43, and Captain Henry M. Kosciusko, Commander, Antarctic Support Activities, cut the cake baked in their honor for the opening day of the DEEP FREEZE 67 season.



RIGHT – Commander Norman J. Mills, commanding officer, Detachment ALFA, Antarctic Support Activities.

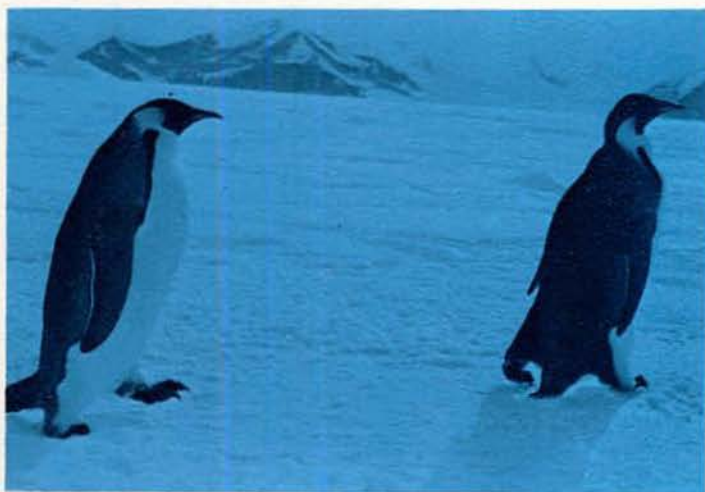
Operation Deep Freeze '67

Thousands of men, numerous ships and more than a dozen aircraft, operating over thousands of miles and linked by a modern, efficient communications system characterize Operation DEEP FREEZE today.

The U. S. Navy operates five permanent stations in Antarctica. In addition to the main staging site at McMurdo, scientific support stations are located at South Pole, Byrd, Plateau, and Palmer on the Antarctic peninsula. During the last few years the Navy's mission has been to make these stations reasonably permanent and to provide habitability for both Navymen and scientists.

At McMurdo, Antarctica's largest city with nearly a thousand residents in the summer, a nuclear power station has been producing electric power since 1962. In 1966, a 14,000 gallon-per-day salt water distillation plant became operable, making indoor plumbing a reality.

Operation DEEP FREEZE began in 1955 when the U. S. Navy was assigned the task of providing support for the nations antarctic programs during the International Geophysical Year (1957-1958). During these early years of DEEP FREEZE, facilities were considered to be temporary and the comforts of civilization were minimal.



With an eye to the future, the U. S. Navy is now constructing a 250-man personnel building, the largest building on the continent. Scheduled for completion in 1969, the two-story structure will provide centralized galley and laundry facilities as well as recreational lounges.

Each year new projects are begun and many refinements in comfort, communications and transportation add to the permanence of Operation DEEP FREEZE in Antarctica.



The United States in Antarctica

The United States has had a long-standing interest and involvement in Antarctica. This interest can be traced back to the mid-19th century when a Navy Lieutenant, James Wilkes, became one of the first men to establish the existence of the world's seventh continent.

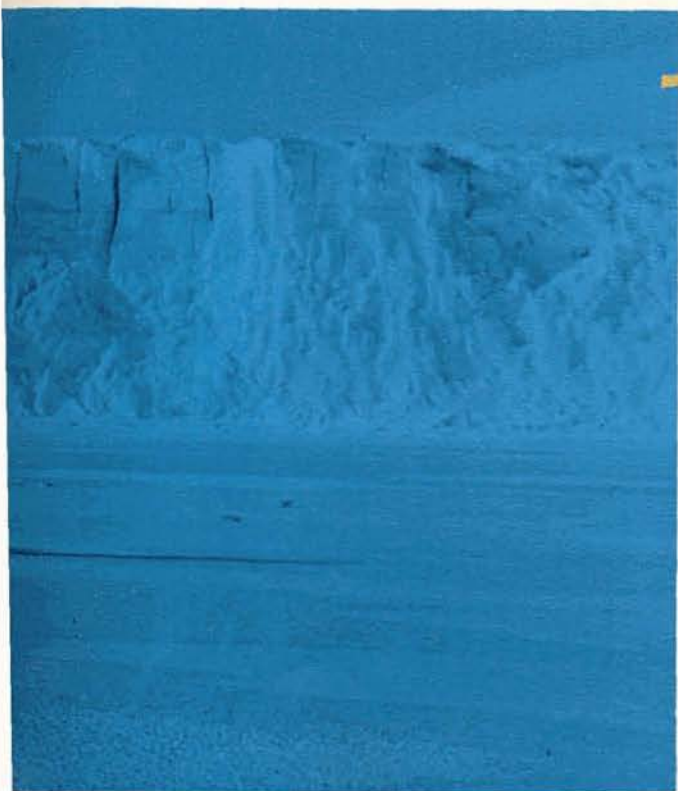
Today, the United States is in the antarctic conducting scientific research in various fields ranging from marine biology to upper-atmosphere physics. This scientific effort is directed by the United States Antarctic Research Program (USARP) under the National Science Foundation. The primary mission of the U. S. Navy is logistic support for this scientific program.

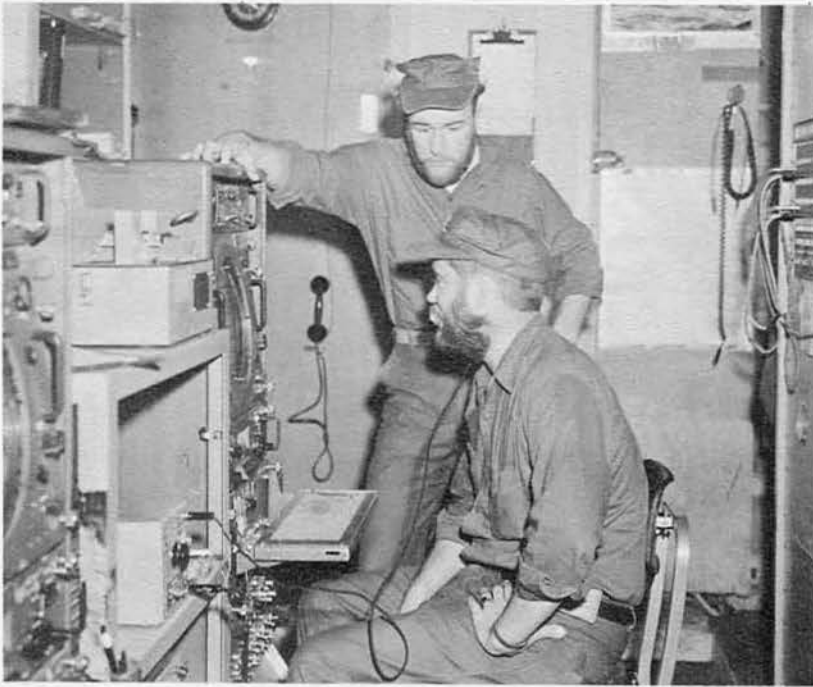
Each year more than 50 research projects are conducted by scientists and scholars of the nation's leading college and universities, and various U. S. government agencies and organizations. Among the government organizations involved are the U. S. Coast and Geodetic Survey, the U. S. Weather Bureau, the U. S. Geological Survey, the U. S. Army Cold Region Research and Engineering Laboratory, and the U. S. Naval Oceanographic Office.



The Antarctic Treaty was ratified by the United States on June 23, 1961. In joining the eleven other original signatories, the United States agreed that Antarctica would be used only for peaceful purposes and would remain open to all nations to conduct peaceful programs of research and exploration.

It is toward this end that the men of the U. S. Navy's Operation DEEP FREEZE work together with scientists to extend man's knowledge of the world in which we live.





AC2 James H. Fite, Jr. stands by as AC1 Vincent M. Hendrickson guides an aircraft in a GCA (Ground Control Approach) landing. Both men are with ASA's Detachment BRAVO, homeported in Mayport, Florida.



LT Max Lemasters and MRFN Harold J. Sena exchange a few words before a tough day of maintaining the Strip in top operating capacity.

Williams Field - "The Strip"

Aerial view of the Strip





ABOVE LEFT - PC3 John M. Loft lugs the mail at Williams Field. The postal clerks were among the most popular people on the ice when mail was due.

ABOVE RIGHT - The Crash Crew on Crash One: ABH3 Patrick A. Healy manning the hose; AN Charles F. Raiford on the truck; and AN Richard W. Fuller standing by the Ansul release controls.

BELOW LEFT - BUC Jerry D. Bogle nails down the lid on "The Well" at Williams Field. The hole extends several hundred feet through the shelf ice to the seawater below and serves for waste disposal.

BELOW RIGHT - ETN2 George K. Johnson, left, ET1 Howard L. White (adjusting equipment), ETC John B. Dunn and Mr. Harold Diesen repairing electronic equipment at Williams Field radar dome.





ABOVE -EO1 Harold E. Warren checks his engine at the strip.

LEFT - EMS William G. White on another "south pole" at Williams Field. Ice and permafrost provide an effective barrier against underground lines, so most are strung on telephone poles.

BELOW - EOC Harry M. Armagost, left, and LTJG Michael A. Merback discuss a slight problem with the chain drive of a motor toboggan. In the background is a snow planer used in resurfacing the landing area at Williams Field.





ABOVE – UTP2 Arlan W. Gooden checks the snow melter at the Strip before dumping in a load of fresh snow.

BELOW – SK2 Jerome K. Maufas looks busy at the Strip cargo terminal.

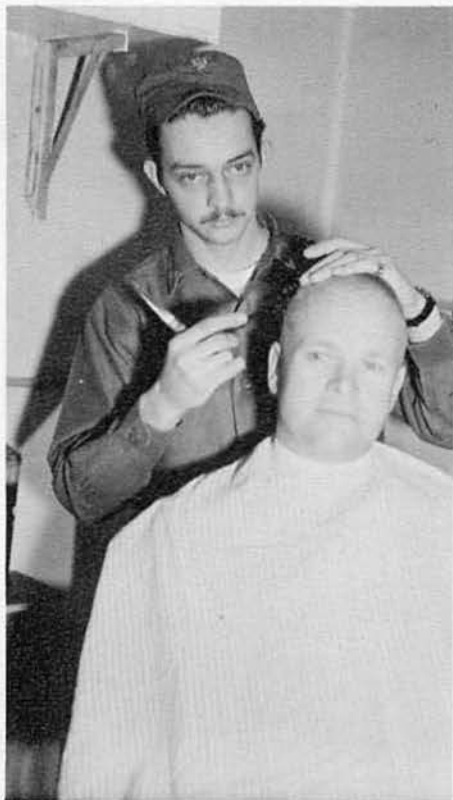
BELOW (right) – BM2 James P. Smith answers the phone at the Strip terminal.





EON2 Harold D. Peck and EO1 Philip L. Gerszewski, Jr. get together in a "bulldozer session" on the ice at the Strip. They did get the thing working again.

BELOW - SH2 James R. Brunner does a scalp job on LT Max Lemasters at the barber shop on the Strip. Free haircuts were one of the many advantages of duty "On the Ice."



EN2 Edward A. Phillips performing an intricate adjustment on the engine in the foreground. Rumor has it that ashes from his pipe caused all the problems.

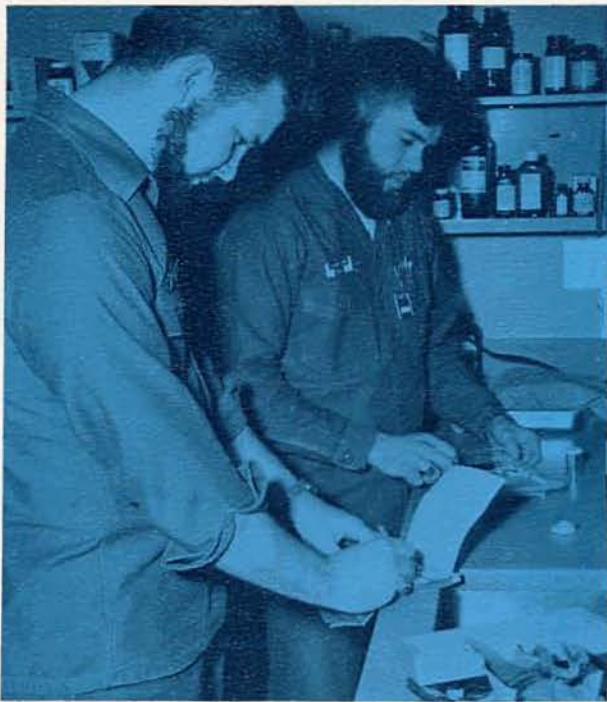


RIGHT – CMHCN Stephen C. Bunch adjusts the brakes on a Thiokol Trackmaster.



BELOW – Left to right – EO1 Ernest L. Ziegler and EOC Harry Armagost watch as EON3 Donald W. Larson maneuvers a section of the Peter Snow Miller into place.





LEFT – HM3 Jerry Brewer and HM3 Wilfred Doe fill prescriptions in the well stocked lab of the new dispensary.

ABOVE – Lt. John L. Archambault, medical officer at McMurdo Station, checks SN Tom Morgans ears during an examination.

Medical Dept.

New Dispensary

New Dispensary

McMurdo Station now has a fully equipped modern dispensary with emergency surgery capability.

The new facility is complete with a modern operating room, X-ray department, laboratory, examination

room, pharmacy and limited physiotherapy facilities. It has an eight bed ward and two quiet rooms.

The new complex is manned by a flight surgeon and four winter over corpsmen. During the summer an additional two corpsmen are added.

Included within this modern medical complex is a fully equipped Dental Department, which is staffed by a wintering over Dental Officer and a winter-over technician along with an added technician during the summer season.



LEFT – Lt. S. Gould, dental officer at McMurdo assisted by DT1 Larry Davis takes care of a few teeth that were bothering Ron Mackie.

RIGHT - HM2 John Hoffman logs a patient in during sick call.



LEFT - HM1 Lloyd Goodrich, HM3 Jerry Brewer and HMC Ernest Waller check health records and make out medical reports.

RIGHT - HM2 Jon Williams draws a blood specimen from PNC Dominick Ridello.





RMI Otto Szanto operating the sideband equipment at McMurdo.



RM2 Wilburn "Stumper" Stamper and RM2 Ervin Eash work the teletype machines.



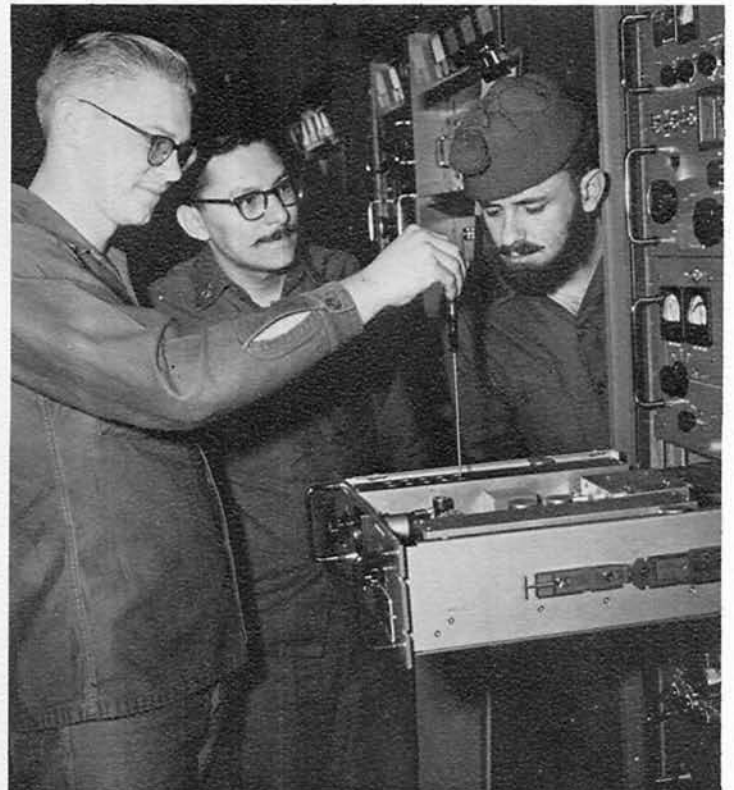
LCDR Gerald Timoney "discusses" various pressing matters with RM3 Eugene Carlson.



RM3 Carlson works the sideband under the supervision of RMC Ronald Hilton.



RMI Richard Cuddy and RM3 Terry McCutcheon work the teletype machines at McMurdo's message center.



ETI David Kaczmarczyk, RMC Ernest Draeger and RMI "Mac" McPherson discuss repairs of a transmitter.



RMI Mike Taylor repairing a teletype machine.



ETC Charles Oller and ETC Jack Halverson get together on some pressing problems of the Electronics Division.

Communications and Electronics Department

ET1 Ed Migala repairs a transceiver.



ETC Halverson and ETN2 James Nolan take "time-out" for a coffee break.



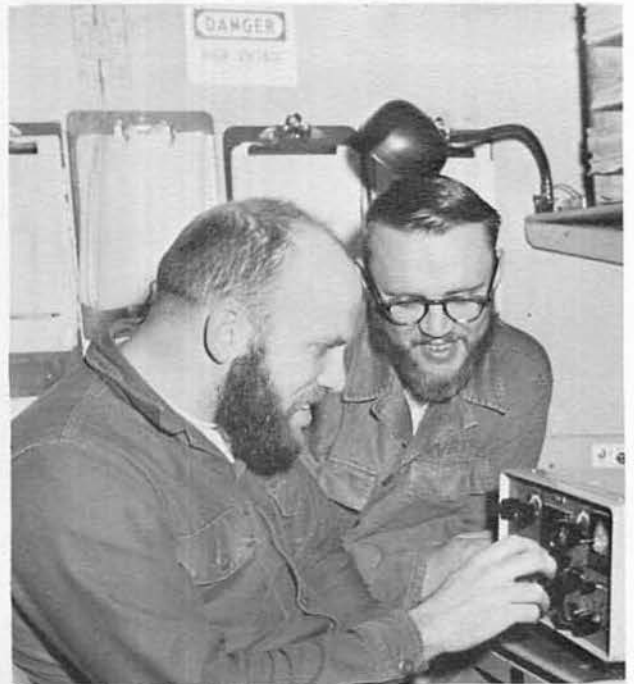
ETN2 Harry Neiman, ETNSN Terry Oakes repair a teletype converter.



LTJG Durham gets a little "skating".



ETNSN Bill "Granny" Tolbert and ET1 Pete Stohl bom work on teletype equipment.



ETN2 Larry Albrecht and ETN2 Dick Wisley tune a transceiver.





ACI Claude Allred and ETI Mervyn Walter in communication with an aircraft.



ACC Guthrie Riley and LCDR R.S. Pinner in flight following.

ACI Douglas Fleischer, AC2 Leroy Rhoades and AC1 William Brazie communicate with and assist and approaching aircraft.

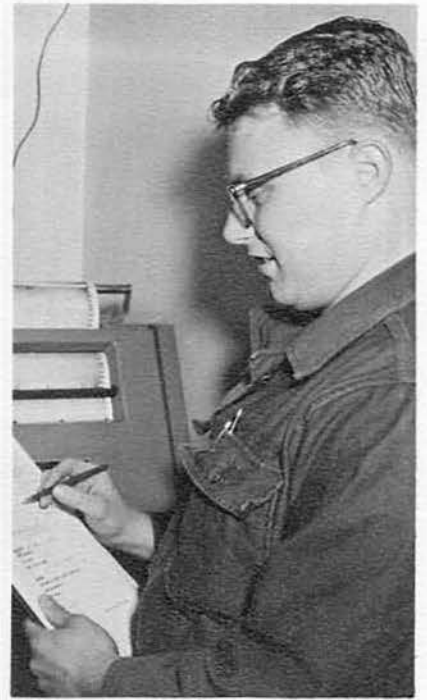


ACI James Lee and AC2 Robert Cairns plot aircraft positions.





Lcdr R.W. Sallee and AG2 Johnson plot the latest indications of approaching weather conditions.



AG1 Doug Christopherson records weather data from meteorological machines.

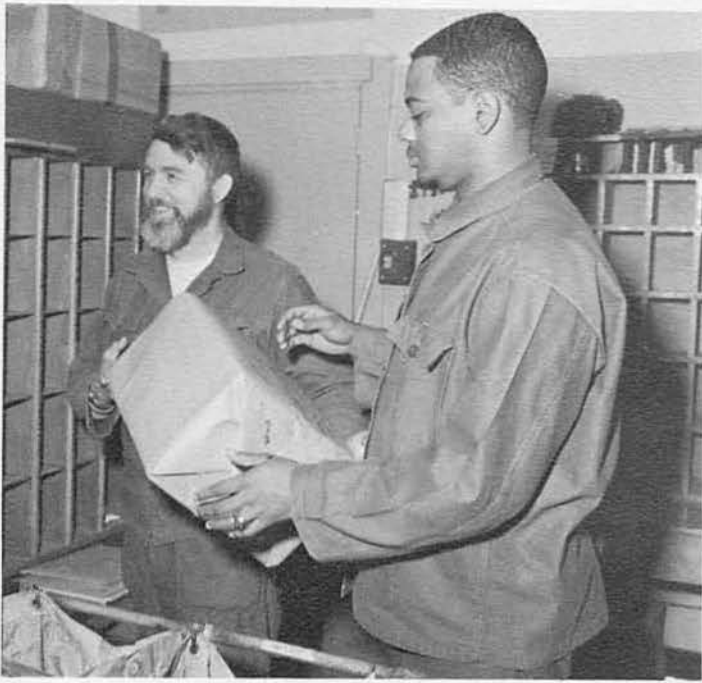
Administration Department

Lcdr Vincent Law takes wind velocity and direction readings with a hand held anemometer.



ACC Thomas Mahon communicates with an aircraft in the area.





Sorting of the mail is the last step before the "rush" on the post office. Here PC2 Robert Baker and PCSN Carlton Ferguson get the job done quickly and efficiently.



YN2 Jim Lester makes an announcement as Petty Officer of the Watch.

CMHCN Ken Winsor explains the intricacies of model airplane construction to PN3 Robert Graham.



It's time for a pause in the work day for PN3 Bob Graham.



LTjg Paul Cieurzo discusses personnel business with PNC Dominick Ridello.





PN2 A.B. Robinson



YNI A.C. Webb advises Dr. Archambault the correct way to fill out the form.



PN2 Denny Mathis assists RMC Hilton in getting a few personal matters taken care of.



Lt. Bruce Karchner, Communications and Electronics Officer



SN Gary Woefert is instructed by BMC Clarence Parker in the operations of the linen locker. "That's two sheets and one pillow case."

CMHCN James McDonald refuels one of the tanks used to store fuel for heating the huts.



SA Charles Thompson and SN Joe Polson





ABOVE - The Penguin Fire Department tear into a blazing snow melter at McMurdo. Their quick action prevented any heavy damage.

Public Works Department,

LEFT - The shortest distance between two points is a straight line. . .and that means vertically as well, as proved here by SN Keith Pope (Upper) and DC2 Ed Holmes (Lower).

BELOW - The Penguin Fire Department's equipment is always in readiness to attack one of the most dreaded enemies on the continent. . .FIRE.





Commander Scott,
Operations Officer



BUC Ron Cooper instructs BULCN Leslie Petrash and BULCN Stephen Zdravec in the proper method of sawing wallboard.



Cooper and Zdravec finish off the edges of the wallboard.

BELOW - EOH3 Tom Gulotta dispatches vehicles from McMurdo's transportation office.



EOH3 Francis Dziekan and EO1 Gary Higgs change tires at the Public Works shop.





ABOVE - BULCN Richard Gendron and BUH2 David Kurre work on the new bowling alley facility.



ABOVE - EOH3 Frank Dziekan pauses during the long work day.



ABOVE - SF1 Robert Barker and SF1 Marion Freck weld the new flag pole.

BELOW - MR2 Ronald North and MR1 Robert Bertalan turn out machine parts on a lathe.



BELOW - SW1 George Emerson adjust the torch prior to a welding job.





ABOVE - UTP2 Albert Beverly and UTP2 Arlan Gooden make repairs on a snow melter.



ABOVE - UTP2 Theodore Richardson, the "water king".



ABOVE - CMC Frank Bak



ABOVE - CMACN James Kerr fixes a fork lift.

EN2 Robert Gray and EN1 Jimmy Miller, along with MR2 Ronnie North and CMACN James Kerr make repairs on the Munsters "innards".





LT. Lunn, Assistant Supply Officer, takes care of some paper work.



SKSA John Morrow. Lets see. . .supply, that's one P or two. . . .

Supply Department



SKSN Brian Hebner and SKSA David Shoemaker stock newly uncrated merchandise.



ABOVE - LT. Verhage and DK1 Francisco Gan look over the money situation.



LT. Jose De Las Fuentes, Ships Stores Officer

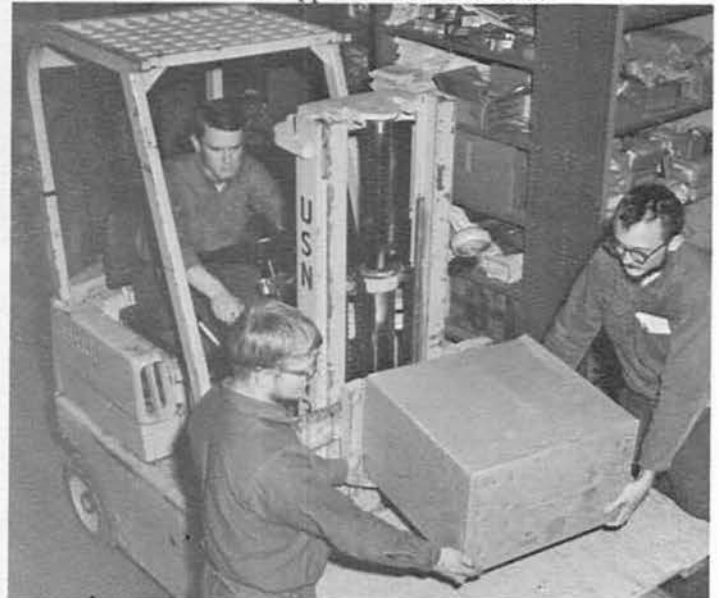


ABOVE - SK3 James McDonald and SN Bill Sanders stock parts.



ABOVE - SH2 Magdonio Jiminez-Vera

BELOW - SKSN Charles Tichy, SKSN Carl Ray and SK3 Robert Emett unload supplies to be stocked.





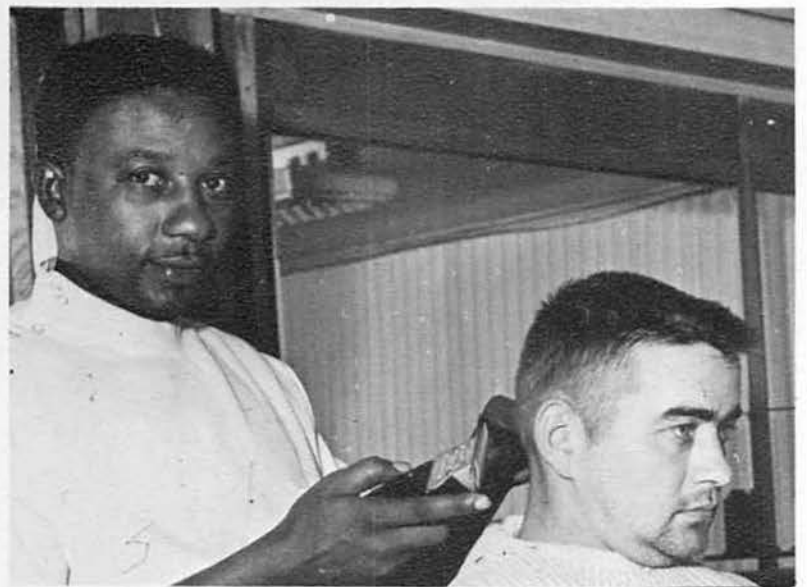
SK1 Henry Ledbetter checks on supply matters as SK2 Davis from the Admiral's staff helps out.



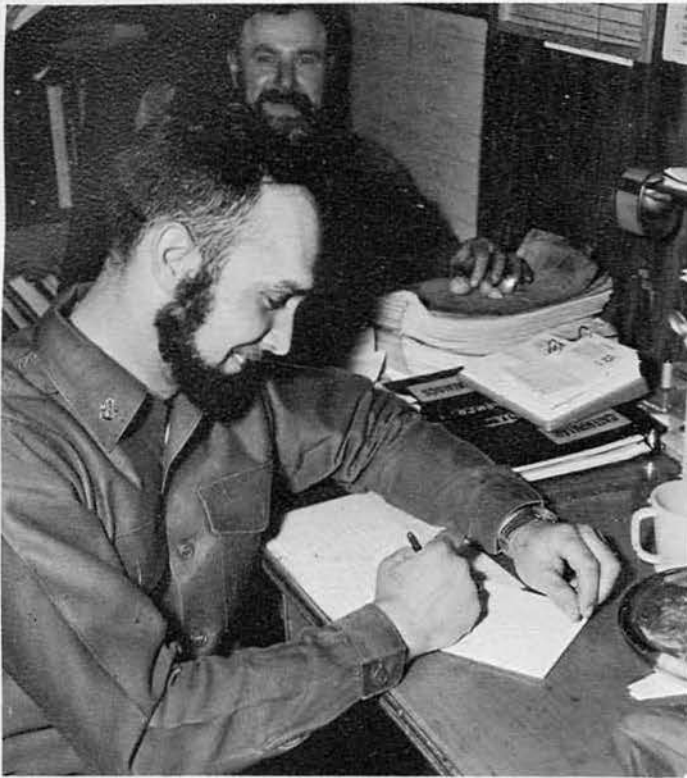
CS3 Cecil McDaniel prepares a gravy base for a roast.



CS1 Ed Kirk prepares Golden Potatoe balls.



SH2 Ira Gooding, McMurdo's barber does a little trimming.



SKSA Larry Garofale rings up a sale as SH1 Charles Gauthier tries to add a few little extra items.

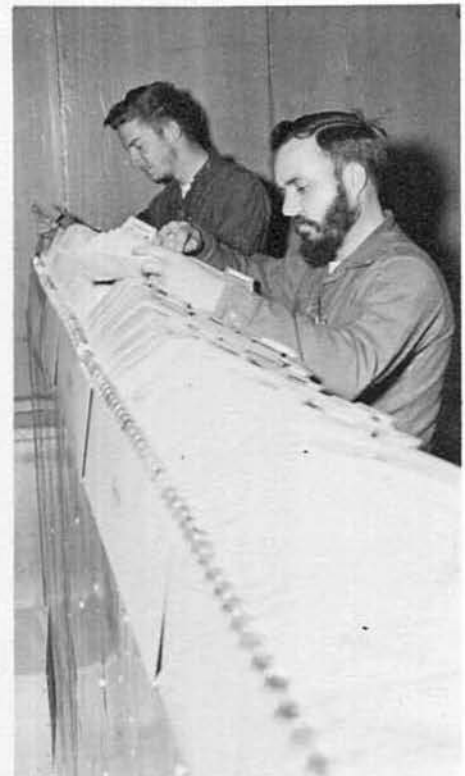


SK1 Michael Lujan unpacks a crate in the warehouse.

SH1 John Nelson loads up SKSN Brian Heber with the weeks "vitamins".



SK3 Earl Sands and SK3 Jesse White locate stock numbers.



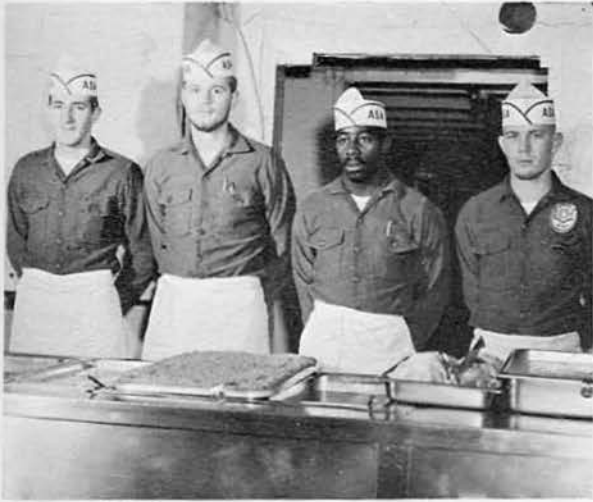
BELOW - CS2 Nelson Richard prepares vegetables.



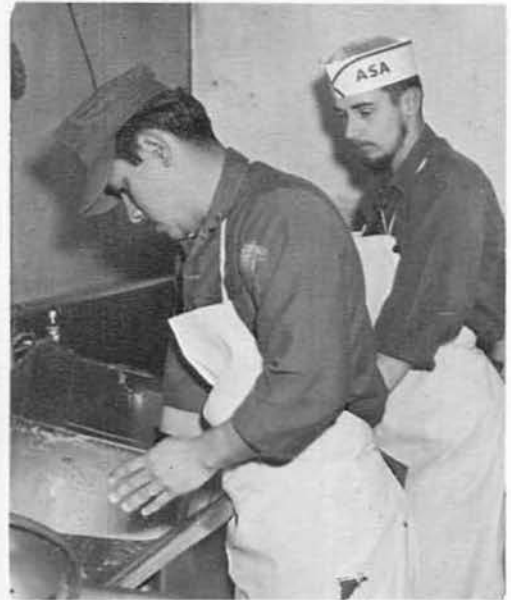
BELOW - SN Gregory Ritchey and SN Robert Bythewood unload galley provisions.



ABOVE - SN Robert Waseman slices freshly baked bread.



ABOVE - Ready to serve!



ABOVE - Clean up.



ABOVE - Enjoying a fine Christmas dinner.

BELOW - Prepared soft drinks are a welcome refresher.



BELOW - The scullery. The unglamorous part of a meal.





LEFT - CDR Kranz

BELOW - Powerhouse crew are briefed by EMC James Carnes.



ABOVE - AG2 Joseph Tocchi. A pause from plotting the weather.

RIGHT - CEC Phil Gerszewski instructs CEPCN Terry Latino and EM3 John DeHaven.



BELOW - AC1 Douglas Fleischer in contact with an approaching aircraft.





ABOVE - LTJG Linder, a pause from duty.



ABOVE - The "Water Kings".



LEFT - Do you really enjoy it that much?



LEFT - A little extracurricular first-aid.





ABOVE - LCDR Miller, Public Works Officer



ABOVE - LT. Griffith, Public Works Officer, ASA,
Det Alfa, DF67



ABOVE - LTJG Donahue, Officer in Charge, Det II

BELOW - LTJG McHenry, Air Operations Duty Officer and
AC3 Ed Kobylarz.





CS3 Cecil McDaniel converses with a few of the natives.



EO1 Herbert Force measures ice thickness of runway at Hallett Station.



ETNSN Ambrose Heim makes repairs on a transmitter.

"Shoveling out" at Outer Williams.



SN Gregory Ritchey and SN Robert Bythewood operating a forklift.



"What ball? Look at that penguin. . .!"



"I submit U.F.O. photo #1, for your inspection. Notice the "football-like" object going unnoticed by these men playing tag."

F

R

O

Z

E

N



"Men! This is your chaplain speaking. Stop that arguing and give ME the ball".



"Football? Isn't that what this is?"



"Yes sir! It was a 1936 Essex with license plate ASA67 and driven by a little man in a tuxedo."



"Say cheese!" "No, you say cheese." "No, I'll take you first."
"No, I'll take you. . . ."



"It must be frostbite! The commander has been standing there since page 26."

F
R
O
L
I
C

"It doesn't look like Miami Beach. Are you sure that underwater pass was a short cut?"



S

"Enough of this fooling around, it's time to play You Bet Your Life. . . ."

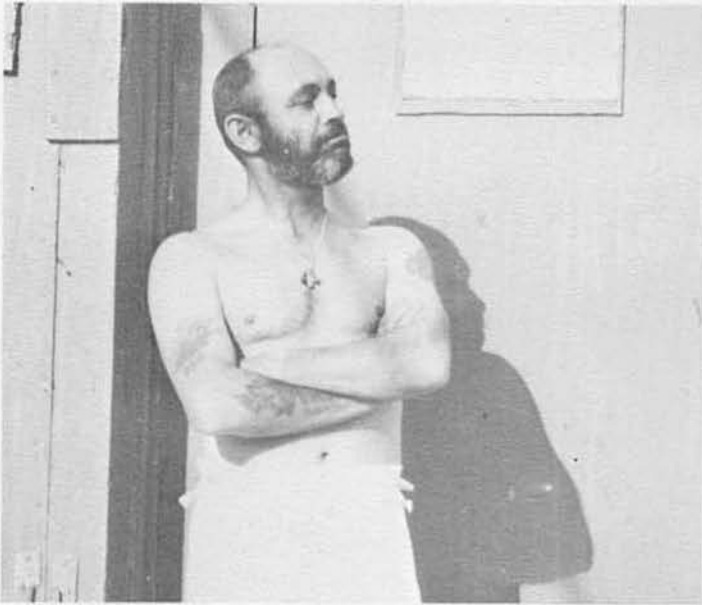




"Do you Miss Moppe take the, John to be. . . ."

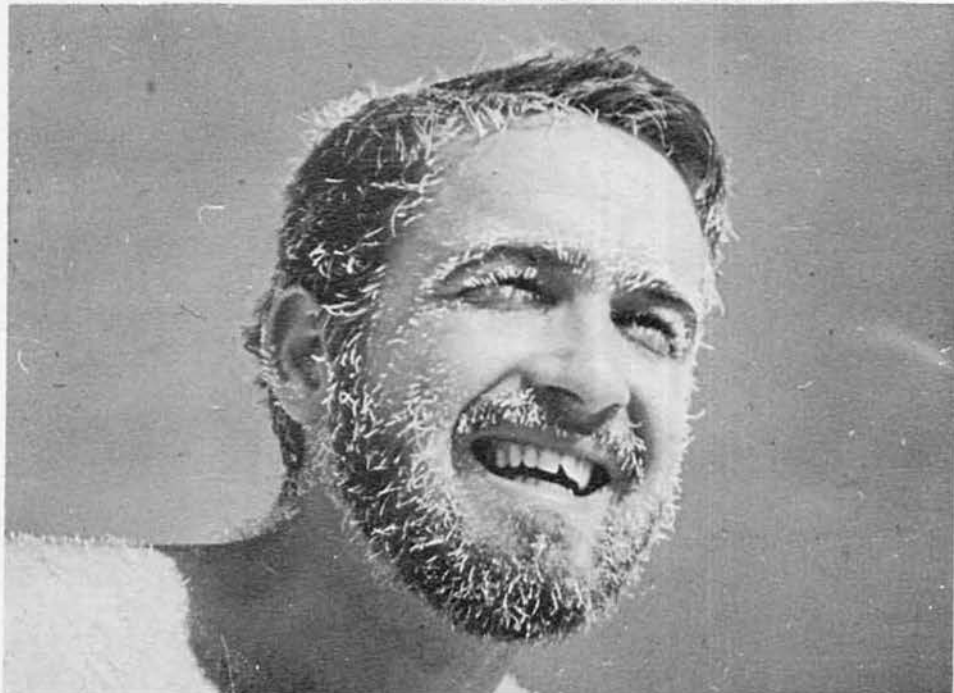


"Harvey! Speak to me. What happened to you fella. . . .?"



"Holy, Mammoth Muscles, Batman. It's the Mc-Murdo Marvell!"

"A-1-11 I s-said w-was, I d-didn't th-think it w-would b-be that c-cold!"



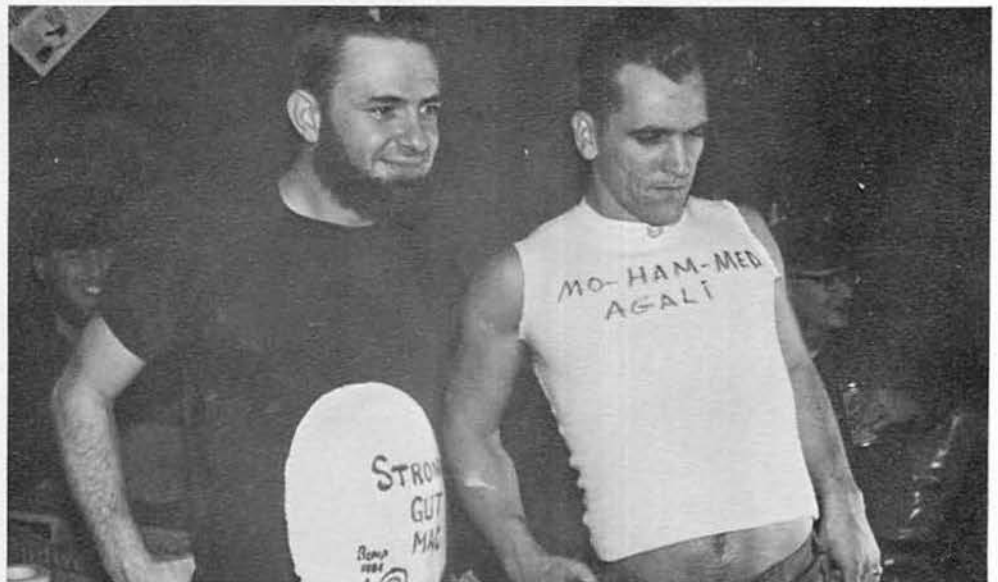


“. . .or how about, Put a penguin in your tank. No still not right. Uh, lets see. . .”

“Oh officer, Cuty Pie, Sweety, Honey! How about a little flower?”



“Come with us now, as we relive the Battle of the Bulge!”





ABOVE - The altar setting for Catholic Mass.

The Chapel and The Chaplains

BELOW - The chapel, ready for Protestant services.



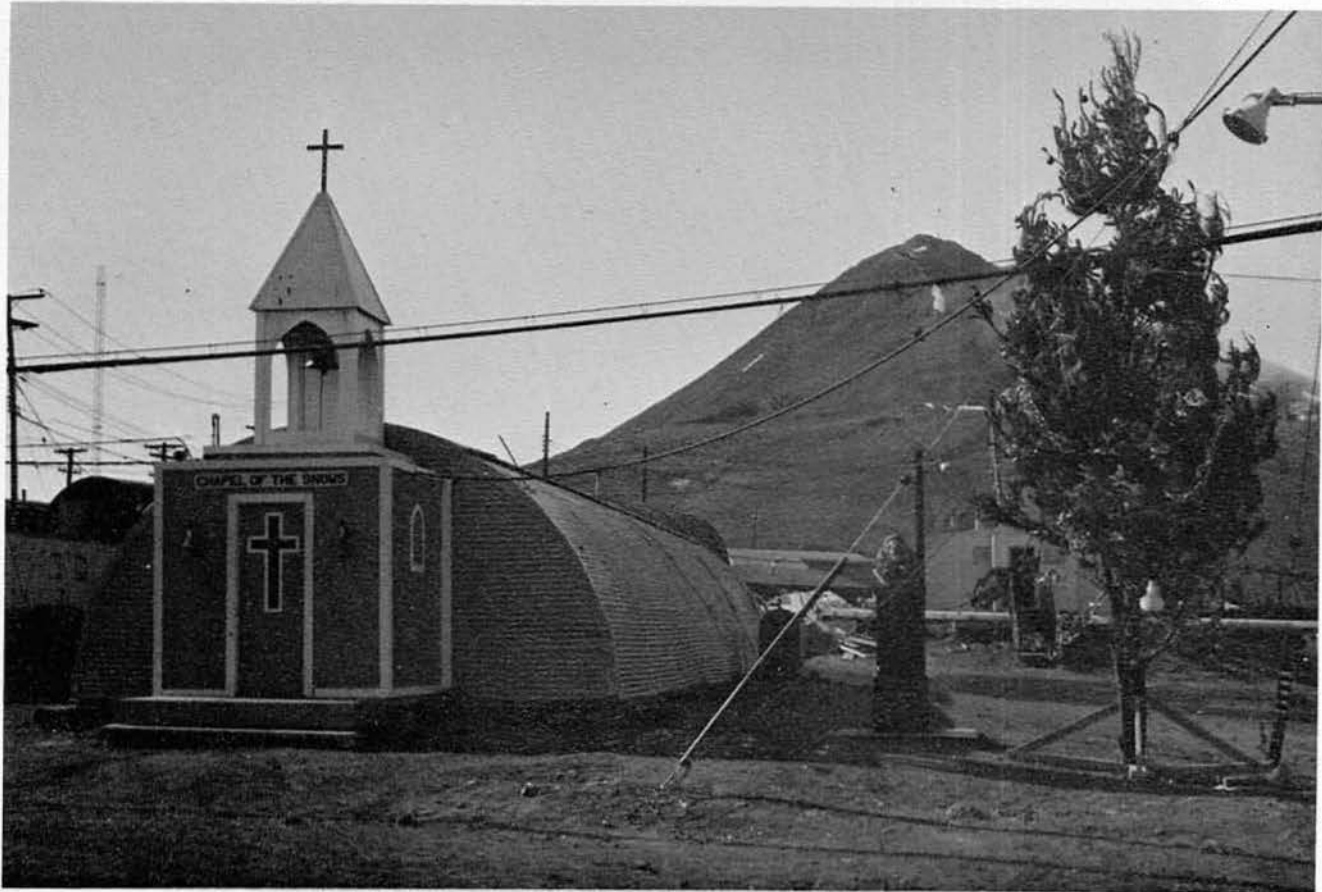


ABOVE – Chaplain Casey, the Catholic chaplain.



Chaplain Oakley, the Protestant chaplain.

BELOW – The Chapel of the Snows is flanked by the 30' Christmas tree erected on 20 December '66.





The "pole" of Pole Station.

Pole Station

Dr. Sullivan, Officer in Charge of Admunsen-Scott South Pole Station.





Dr. Sullivan escorts Commodore Busbee, Commander, Construction Battalions, U.S. Atlantic Fleet.

The crew of Pole Station.





CS2 Harvey High sits before his Thanksgiving masterpiece.

Pole Station's Communication Center and crew.





A Snow Queen clears snow away from a tunnel entrance.

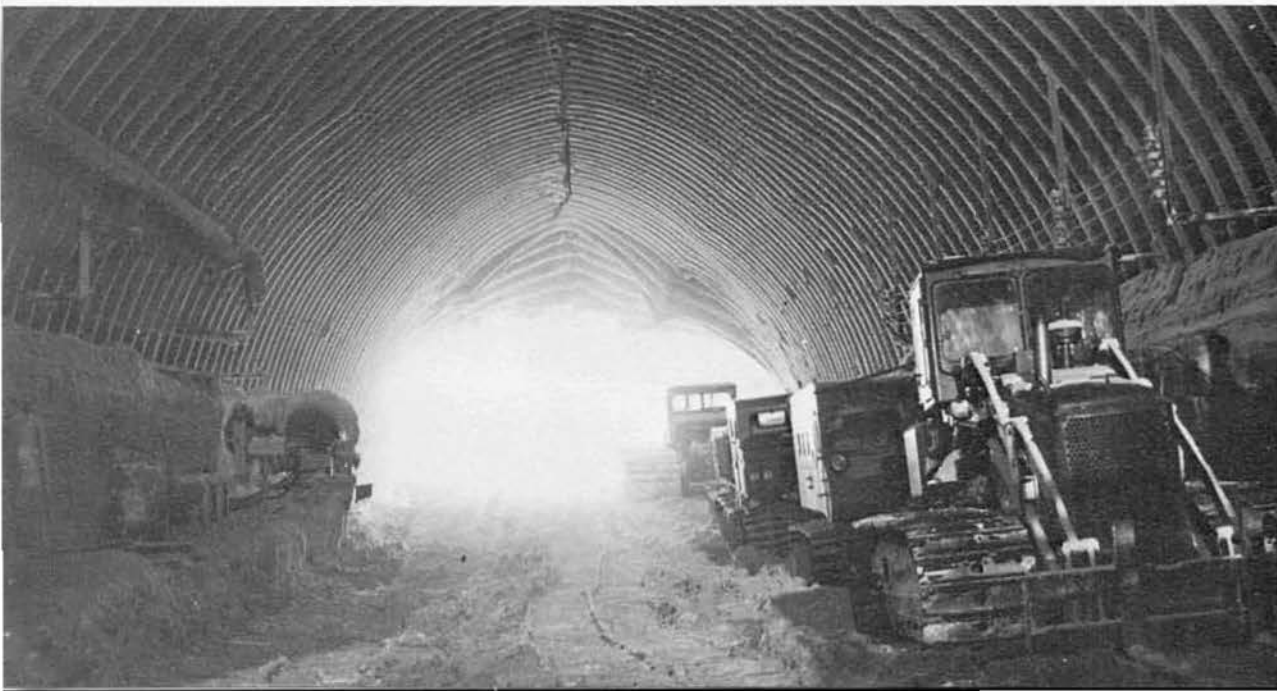
An Equipment Operator spends nearly half his life on the ice in his vehicle.





FRONT ROW – Left to right: SF1 Roger Groux, EON2 Chico Favela, BULCN George Butcher, CM1 Paul White, UTW3 Elton Clark, SKSN Lee, RM1 Terry Helman, EM1 Pete Rea, ABF3 Smith, and CMH2 Eddie Weikman.
BACK ROW – Left to right: CMC Walter Backer, BU1 Jim Adams, CS2 Tom Arrivette, ETC Bliss, CE1 Glenn Crummey, HMI "Doc" McKinzie, LT. Williams, CET3 Warren Reddick, ET1 Red Sneddon, EM1 "Butch" Suchland, CS2 Don Dymont, and SK2 George Breeding.

Byrd Station





LT. Williams

Dr. Archambault and ABF3 Smith



LT. E Cranton, MC, USN, Officer-in-Charge,
Byrd Station of a Skee-Horse.





UTW3 Elton Clark



RM1 Terry Helman adjusts part of the communications equipment at the Byrd Station Comm Center.



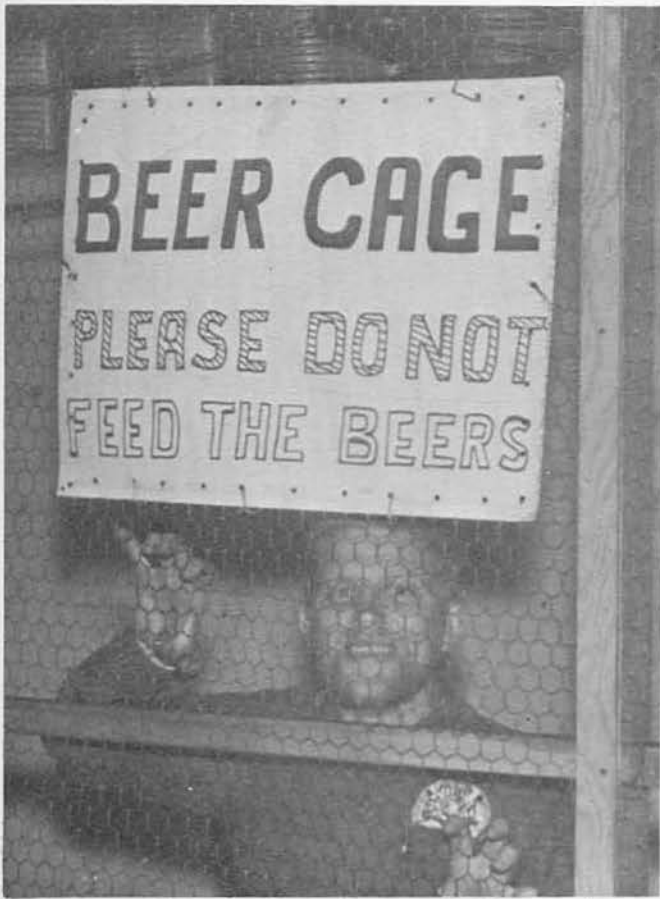
CMH2 Eddie Weikman

RM1 "Butch" Suchland using a transceiver at the Comm Center



SKSN Ronnie Lee and SK2 George Breeding unload and store supplies in the supply tunnel.





"Vitamin deficiencies" can cause peculiar reactions.



ABF3 "Smitty" Smith

SF1 Roger Groux

ET1 Red Sneddon repairs communi-
cations equipment





CMC Walter Backer operates a metal lathe.



BU1 Jim Adams using the radial arm saw in the shop.



SA Jerry Langevin



CE1 Glenn Crumme announces tonight's feature is "a two reeler!"



BUH2 Dave Kurre operating the table saw.



CMI Paul Witte inspects an LGP D-8.



EMI Pete Rea checks the oil in a generator.



BU1 Jim Adams, CMI Paul Witte and CET3 Warren Reddick remove an old generator through the escape hatch.



CET3 Warren Reddick using the drill press in the shop.



The crew of Plateau Station.

Plateau Station



Everyone helps in the duties of an outlying station.

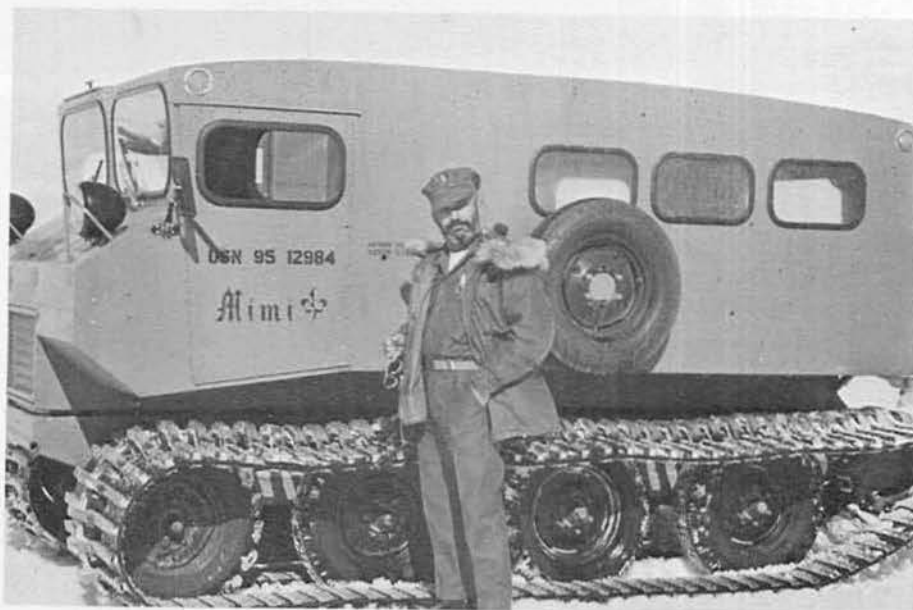


CS2 Larry Clark waits for the evenings feast to be completed.



Hallet Station

ENC Gerald Mello poses with "Mimi."





UTW2 Ricky Kyle adjusts the water distillation equipment.



Ted Gannutz, USARP, Clark University, conducts lichen photosynthesis experiments with the aid of a respiration chamber.

CEP2 Delnor Thompson repairs sound powered telephone lines at Hallett.



HMI Charles Wilson at the Hallett dispensary.





ABOVE - AG3 John Obuchowicz records upper air soundings.



ABOVE - ETN2 John Switlik makes repairs on a transmitter.



LEFT - Steve Frishman, USARP, Clark University, conducts experiments in Lichen Photosynthesis.

BELOW - Tom Choate and Bruce Willis, DSIR ban an Emperor penguin.





ABOVE - ETN2 David Hoff broadcasts over KC4-USH, the ham radio station at Hallett.



ABOVE - CS2 E. Brennen in action at the most frequented area on the station-the galley!

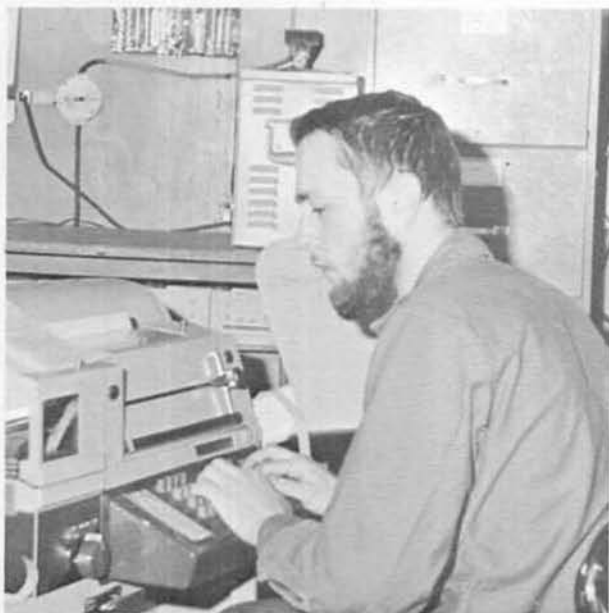
RIGHT - EO1 Herb Force, a construction driver but "jack-of-all trades."



BELOW - D. Gless, USARP, looks for mites as a few of the Hallett natives comment on his antics.



BELOW - RM2 James Drummond operates the teletype machine. .



N C B U

201

U. S. NAVAL CONSTRUCTION BATTALION UNIT TWO HUNDRED ONE

CBU 201 was commissioned on 1 June 1966. Their mission: to provide a permanent construction force in support of the U.S. Antarctic Research Program. Their motto: CONSTRUCTION FOR PEACE.

The Unit, under the command of LT RICHARD WHITMER, consists of four officers and 125 enlisted men. CBU 201 deployed to McMurdo, Pole, Plateau, Byrd and Palmer Stations.

During the deployment approximately 30 construction projects were completed. 201 CAN DO!



LTJG Richard WHITMER addresses the newly commissioned NCBU-201 at ceremonies held in Davisville, R.I., on 1 June 1966.

Out with the old.

.and in with the new.





The Chiefs: (left to right) UTC James McFarren, "B" Co., EOC John Bamford, "A" Co., SWC John Tate, Ops. Chief and BUCS Dewey Ray, "C" Co.



Public works and Transportation Center Building Crew (left to right): William Gwaltney, Gregory Green, Harold Puckett, John Wingate, Walter Scieniewski, Thomas Mathers, David Moore, Karl Smith, Phillip Force, James Cook and Mabyan Fadden.

The Officers: LTJG Richard Whitmer, OIC (center), LTJG Mark McShane, AOIC (left). WO John Becker, Operations Officer (right).



Supply Company, Seated: Edgar Thibault, "H" Co. Cdr. Standing (left to right) Dee Cee Nowlin, Joseph Becker and John Hanzlik.



Construction Electrician Crew stands under one of their projects: First row l to r: David Turner, Larry Tegtmeier, John Marino. Second row l to r: Carl Cagle, Bernard Brunelle, Gerald Gunning, David Dooley and Joseph Howard.



Office Staff: (left to right) James Wilbur, William Golightly, Larry Dingess, James Garrison and Joseph Rejuney.

Pipeline Crew: Kneeling l to r: Frank Knights, Gregory Flesher, Peter DeAngelis and Edward Bellefeuille. Standing l to r: Ivy Robertson, William Roeger, Richard D. Conner, Frederick Winkler, Donald Havens and Michael Liso.



"A" Company stands in front of the new Lorain Crane. Kneeling l to r: Darrel Waid, Steven Tilley, Charles Long and John Bamford, "A" Co. Cdr. Standing l to r: Jerry King, Michael Osoway, Osbaldo Torres, James Butler, Gayle Leenerts, Lee Warbler, Roger Manter, George Clark and Paul Wilson.





Construction Crew for new Personnel Facility: Kneeling l to r: James Wilbur, James McField, Robert Bass, Stephen Kurylowicz, Richard Johnson, Jack Divers, Ambrose Schrom, and Richard P. Connor. Second row l to r: Wesley Jackson, Paul Brooks, Richard Parks, Robert Wilbur, Claude Wilson, Charles Broadway, Jose Hernandez, Eugene Dibiase, John Hall and Francis Lentz. Third row l to r: Bruce Winkler, Eugene Mishler, Roger Douglas, Arthur Besecker, Glen Hines and Jerry Stark.

VX-6 Warehouse Construction Crew: Front row l to r: Lucas Wheeler, Lucky McDaniel and George Dawson. Back row l to r: Ronald Wilson, Steven Jones, Wendell Forrester, Thomas Mower, and Lawrence Robinson.



Six members of 201 are advanced in rate. l to r: Jerry King, Darrel Waid, Gayle Leenerts, Robert Igl, James McField and Stephen Kurylowicz.





Construction Platoon Bravo, Byrd Station: Kneeling l to r: LTJG Mark McShane, Officer in Charge of Plt "B", Michael Mattera, Paul Howard, Charles Broadway, Ronald Wilson, Lucas Wheeler, Eugene Mishler, John Marion and Roger Manter. Standing l to r: Robert Igl, James Cook, Thomas Mathers, Francis Ientz, Frederick Winkler, Arthur Besecker, Donald Havens, John Wingate, Steven Jones, James Butler, John Hall and Kenneth Wold.



Thomas Mathers demonstrates method of shaving tunnel wall at Byrd using electric chain saw. James Cook looks on.



Donald Havens solders a sewer joint at Byrd Station.



Paul Howard wires overhead light at Byrd Station.



Ambrose Schrom digs foundation for new James way at Plateau Station.



Paul Brooks digs for buried fuel line at South Pole Station.

Construction Platoon "C" 1 to r: Paul Brooks, Lucky McDaniel, Ambrose Schrom, POIC, Edward Bellefeuille and Harold Puckett.





SWC John Tate admires Mark of a Man Plaque awarded to him at Navy Day Ceremonies. Robert Bass standing next to him received an award for being the youngest man on the Ice.



UTC James McFarren, "B" Co. Cdr. inspects installation of water line.



Gregory Green (top) and John Wingate (bottom) tighten Bolts on Public Works Building.



Seabees relax at Christmas Party.



Donald Havens (left), Frederick Winkler (center) and Frank Knights (right) refurbishing Seabee Head.



Michael Osoway claims that he is King of the Mountain.



With Personnel Facility in the background are Glen Hines, Richard Johnson and Eugene Di-Biase. Wesley Jackson stands above on Galley portion of the Building.



Bell's Band entertains at Christmas Party.



Turner's Orange Truck: l to r: David Turner, Gerald Gunning, David Dooley.



New Zealand's Scott Base

This year's wintering-over party at Scott Base. The twelve men arrived at the New Zealand Antarctic scientific station in October and will return home after twelve months. From left, back row: Messrs R.G. Rae, field assistant (Hastings); W.R. Orchiston, dog handler (Gisborne); C.M. Rickards, electrician (Palmerston North); C.M. Clark, leader (Christchurch); B. George, P.C. Whiteford, scientific officer (Blerheim); R.J. Sopp, diesel mechanic (Paraparaumu); N.C. White, radio officer (Tauranga); G. Dawson, senior technical officer (Taupo); R. Kidd, motor mechanic (Palmerston North).



PM-3A Nuclear Power Plant



WOI Paul E. Linn
Plant Supervisor



LCDR Larry K. Donovan
Officer In Charge



LTJG Huey W. Miller
Plant Superintendent



Maintenance and Supply: EQCM Heinrichs, WO1 Linn, SKC Nelson, UT1 Berkowitz



Watch "A": CE1 Cobb, HMI Erickson, Army SFC Crowson, CMI Jakulewicz



Health Physics Section: HMI Dooley, HMCS Twitty, HMI Orr

THE PM-3A AND CREW VI

Perched on the side of Observation Hill, overlooking McMurdo Station, is the PM-3A Nuclear Power Plant and Sea Water Distillation Plant. These modern concepts of power production and salt water conversion seem strangely out of place in the remote ruggedness of the "Worlds Last Frontier", Antarctica. Yet, they symbolize the determination and zeal of scientific progress. The climatic and environmental conditions of Antarctica, as well as the many complexities of nuclear power, present an ever persistent challenge to successful operation.

This is the sixth year of PM-3A operation, and the first year of operation for the Distillation Plant. The present crew, Crew VI, consists of 3 officers and 22 enlisted men. The experience and training of the crew make it nearly technologically independent. Duties and responsibilities are assigned to fit the skills and experience of the individual crew members.

All crew members are graduates of the one year, Nuclear Power Plant Operators Course, conducted at Ft. Belvoir, Virginia. This difficult course prepares each man to assume operator duties and further develops the basic skills and knowledge each possesses in his Navy rating. Upon completion of the school, each man is further trained and prepared for his future assignment through extensive practical application and intensive specialized schooling.

The crew is assigned in three major areas of responsibility: maintenance, operations and health physics. These areas are further broken down into specific duties and responsibilities. The entire organization is dynamic, and assignments may change as required for the upgrade qualification and utilization of individual skills. The assignments listed below were as of late May 1967, at the time cruise book photos were taken.

The Maintenance Section is directed by EQCM Dick Heinrichs. Chief Heinrichs is very capably assisted in the chore of maintaining all plant equipment by a maintenance section composed of UT1 Bob Berkowitz, mechanical; Army SFC Joe Krupa and CE1 Ted Riccio, electronic instrumentation; and CEC Gene Carson, electrical.

Several other crew members normally assigned to the maintenance section are presently undergoing operator training for qualification.

The Operations Section is divided into three watches to insure constant attendance on plant operations. Watch "A" is composed of CE1 Bob Cobb, Watch Supervisor; CMI Charles Jakulewicz, Control Room Operator; EMI Dean Erickson, Equipment Operator; and Army SFC Frank Crowson, training. "B" Watch has CECS John Bartley, WS; CEC Jim Johnson, CRO; HM2 Jurgen Bless, EO; and CEC Al Black, training. "C" Watch is led by CMCS Bill Holmes, WS; with CE1 Marion Monohan, CRO; Army SP5 Jim Bontempo, EO; and Army SP6 Vic Allara, training. The efforts and energies of the Operations Section are directed and coordinated by CECS Herb Pollock, Operations Supervisor.

The Health Physics Section is supervised by HMCS Dale Twitty. His able assistants are HMI John Orr and HMI John Dooley. John Orr also takes care of the Environmental Monitoring for the Station.

Attempting to arrange some semblance of order out of the spare parts, supplies, and resupply orders, is SKC Dean Nelson.

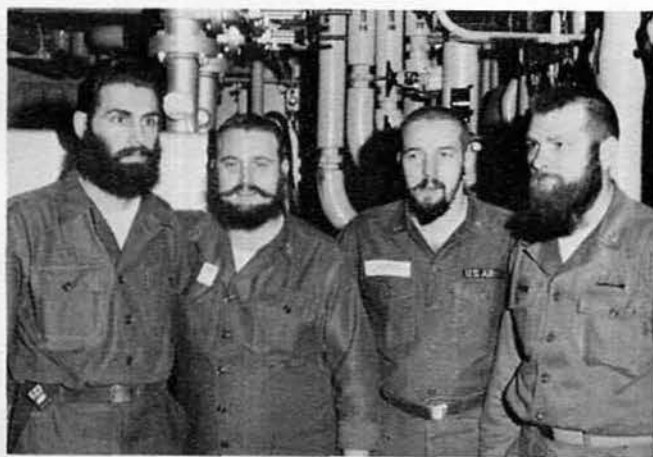
LCDR Larry Donovan presides as the Officer in Charge, knitting the crew into a cohesive, efficient unit. He is assisted in the management department by LTJG Huey Miller, Plant Superintendent; and WO1 Paul Linn, Plant Supervisor, WO1 Linn arrived in Antarctica as a UTC and received his appointment as Warrant Officer during the deployment.

Crew VI has already proven its capabilities and skills by establishing the best overall power production record to date for an Austral Summer season, and has surpassed its fiscal year goal of 80% availability.

A few milestones in the Crew VI tenure have been the repair of a broken reactor control rod ball, and the production of over one million gallons of fresh water, utilizing nuclear produced steam to distill sea water. It is anticipated that a reactor refueling operation will be completed prior to the end of the deployment.



Watch "B": CECS Bartley, CEC Johnson, HM2 Bless, CEC Black



Instrument and Electrical: CE1 Riccio, CEC Carson, Army SFC Krupa, CECS Pollock



Watch "C": Army SP5 Bontempo, CE1 Monohan, Army SP6 Allara, CMCS Holmes



Preceding Page—Top: Lcdr Donovan, Ltjg Miller, SP6 Allara, CECS Bartley, UT1 Berkowitz. Two: CEC Black, HM2 Bless, SP5 Bontempo, CEC Carson, CE1 Cobb. Three: SFC Crowson, HMI Dooley, HMI Erickson, EQCM Heinrichs, CMCS Holmes. Four: CMI Jakulewicz, CEC Johnson, SFC Krupa, WO1 Linn, CE1 Monohan. Bottom: SKC Nelson, HMI Orr, CECS Pollock, CE1 Riccio, HMCS Twitty.



THE CREW AT WORK





----AND
PLAY





*Cargo Handling Battalion One,
Detachment Sierra*



The "total crews" of Cargo Handling Battalion ONE, Detachment Sierra, DEEP FREEZE 67.





CDR Watson explains details of the operation.



FRONT ROW - Toplinicki, Everheart and Porter.
BACK ROW - Jackson, Kelley and Semones.



FRONT ROW - Sabin and Bradley.
BACK ROW - Plumb, Irwin and Sitko.



Antarctic Support Activities. . .Report!

Administration Department



FRONT ROW – Left to right: LTJG Paul Cieurzo, PNC Dominick Ridello, SN Thomas Morgan, YN2 David C. Rainey, PN3 Robert P. Gram, SN Benjamin A. Sears, SN Walter J. Spangler, CMHCN Leo F. Cushman, PN2 Arline B. Robinson, YN2 Alvin C. Webb, CWO-4 Lipe.

BACK ROW – Left to right: YNC Robert W. Comeau, EM2 Glenn L. Doebler, BU1 George E. Pageau, SN Brice Byrd, SN Gary A. Wolfert, SA Charles W. Thompson, SN Joseph L. Polson, HM3 Jerome S. Brewer.



Communications Department



FRONT ROW – Left to right: RM2 White, RMC Hilton, RM3 Carlson, RMI Burns, RMC Jordan, RMI Boyer.
BACK ROW – Left to right: RM3 Peck, RM2 Stamper, RM2 McCutchen, RM3 Evans, RM2 Eash, RMI Kerr, RM2 Wells.

Electronics Department

LT. B.P. Karcher, ET2 Harry L. Nieman, ET1 D. Saunders, ET3 Dennis L. Miller, ET1 Larry Albrect, ET1 Ed Migala, ET1 Kenneth Courtney, ETSN Bill Tolbert, ET1 Peter Stohlbom.

ETCS Charles F. Oller, ETC Jack E. Halverson, ETR2 Donald E. Jacobsen, ET1 John W. Hawthorn, ETN2 Richard K. Wisley, RMI John M. Taylor, ETN2 Donald W. Davis, ETN3 Ambrose A. Heim.

Penguin Fire Department



FRONT ROW – Left to right: DC1 Douglas C. Lebert, LT. Durham, DC2 Edward J. Holmes, DC3 Clyde E. Morris.
BACK ROW – Left to right: FN Vincent G. Varnaria, DC2 Francis D. Lemasters, AA Johnny A. Chisolm, SA John W. Carroll, MR3 Charles G. Ryer, SN Keith G. Pope, FN Charles E. Facker.



Medical Department



FRONT ROW – Left to right: LT. S.S. Gould, DC, USNR, LT. J.L. Archambault, MC, USN, ENS R.F. Spencer, MSC, USN.

BACK ROW – Left to right: HMI Lloyd G. Goodrich, HM2 John J. Hoffman, HM2 Wilfred I. Doe, HM3 Jerome S. Brewer, DT1 Edward R. Fields, HM2 Jon B. Williams, DT1 Larry J. Davis, HMC Ernest C. Waller, Jr.

Supply Department



FRONT ROW – Left to right: SH2 Magdonio Jiminez-Vera, SN Randall J. Lee, SK3 James R. McDonald, SK1 Manuel Lujan, SKC Robert A. McKee, SH3 Ronald E. Ard, SK3 George E. Basta, SK3 Earl R. Sands.

BACK ROW – Left to right: SK3 Richard A. Hartman, SK2 James H. DeCater, SH2 Ira L. Gooding, SK2 Bruce E. Scott, SK1 Henry L. Ledbetter, SH1 John P. Nelson, SKSN Brian J. Hebner, SKSN Joseph J. Plumber.

Public Works Department, Maintenance Div.



FRONT ROW – Left to right: LTJG H. Griffith, CEC Joseph Smith, UTC James Summers, SF1 Donald Marshall, SW1 Geroge Emerson, SWC James Raffin, EA2 John Nance and LCI Bruce Gaudet.

CENTER ROW – Left to right: LT. Merback, BULCN Roy Reineke, BULCN Robert Butcher, BULCN Stephen Zdravec, SFP2 William Norton, EM3 John DeHaven, UTP2 Albert Beverly, FN David Genovese and BUI Lincoln Lettman.

BACK ROW – Left to right: SF1 Robert Barker, SF1 Marion Frock, SF3 Robert Stark, EASCN Ellis Sprague, EN2 William Daniels, EM2 Robert Clark, EA3 Peter West, CE2 Alexander Chaplin and BUC Ronald Cooper.

Public Works Department Transportation Div.



FRONT ROW – Left to right: LTJG Griffith, E01 Herbert Joslyn, CN James McDonald, CMC Frank Bak, EN1 Jimmy Miller, CMH2 Jay De Hensick, CM1 John Kohler, CMHCN James Kerr, E02 Carl Russell, and CMC Thomas Nelson.

CENTER ROW – Left to right: LT. Merback, CN Alan Smith, CN Macnowski, MR2 Ronald North, CN John Jones, EN2 Robert Gray, CN Lyle Wollam, CN Jim Koepke, CN Ronald Neumann, and CMC Thomas Seitz.

BACK ROW – Left to right: EN1 Kenneth Henry, E03 Thomas Gullota, E02 Adam Jacobik, CM2 George Smith, E03 Robert Thorne, EOC Robert Williams, CN Ken Winsor, CM2 Timothy Linn, and E03 Al Bucks.



FRONT ROW – Left to right: ABFC William Matney, LCDR Williams, ABHC Robert Christensen and ABF2 David Feezer.

BACK ROW – Left to right: EN2 Henry Farrier, EN2 James Lemmens, AN Al Piriak, ABF1 Sherman Padgett, ABF1 Hurshel Austin, SK3 Leslie Clark and SK2 Joseph Plummer.

Supply Department , Fuels Div.

Detachments Bravo and Charlie



FRONT ROW – Left to right: LTJG Maurice Gibbs, AG3 Wayne, AG1 Jerry O'Neal, AG3 Donald Nienkirk, AG3 Ernest Doucette, AG3 Edwin Slavik, AG3 Michael Spence, AC1 William Brazie, and LCDR Pinner.
BACK ROW – Left to right: LTJG J. Durham, AG1 James Stasko, AG3 Joachin Von Auersperg, AG3 Gary Taylor, AG3 Clarence Johnson, AG1 David Dahl, PN2 James Dunphy, and AG3 Henry Smoot.

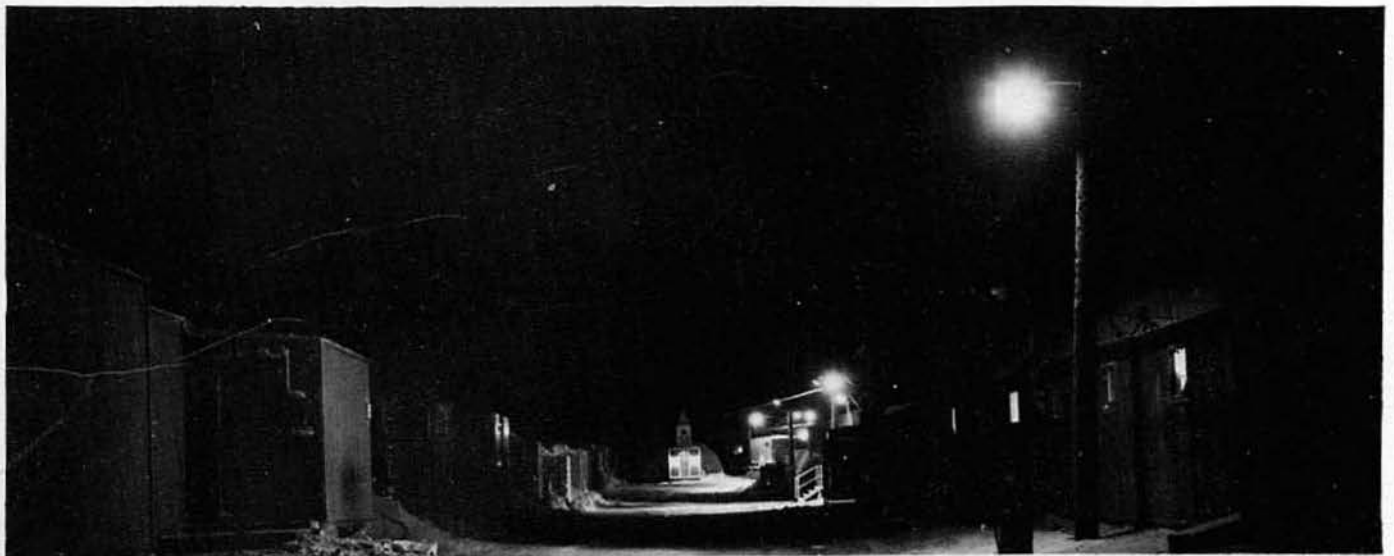
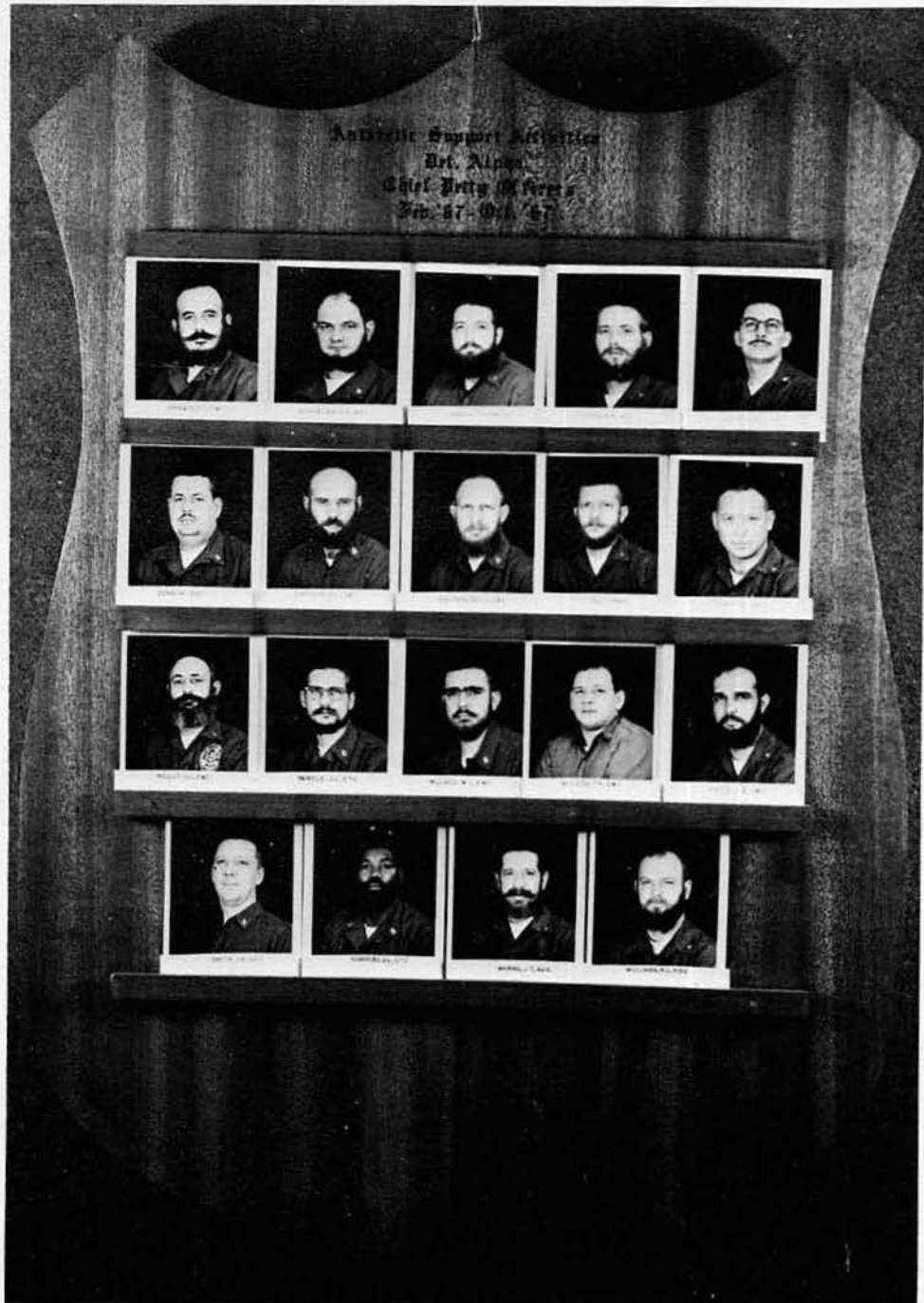




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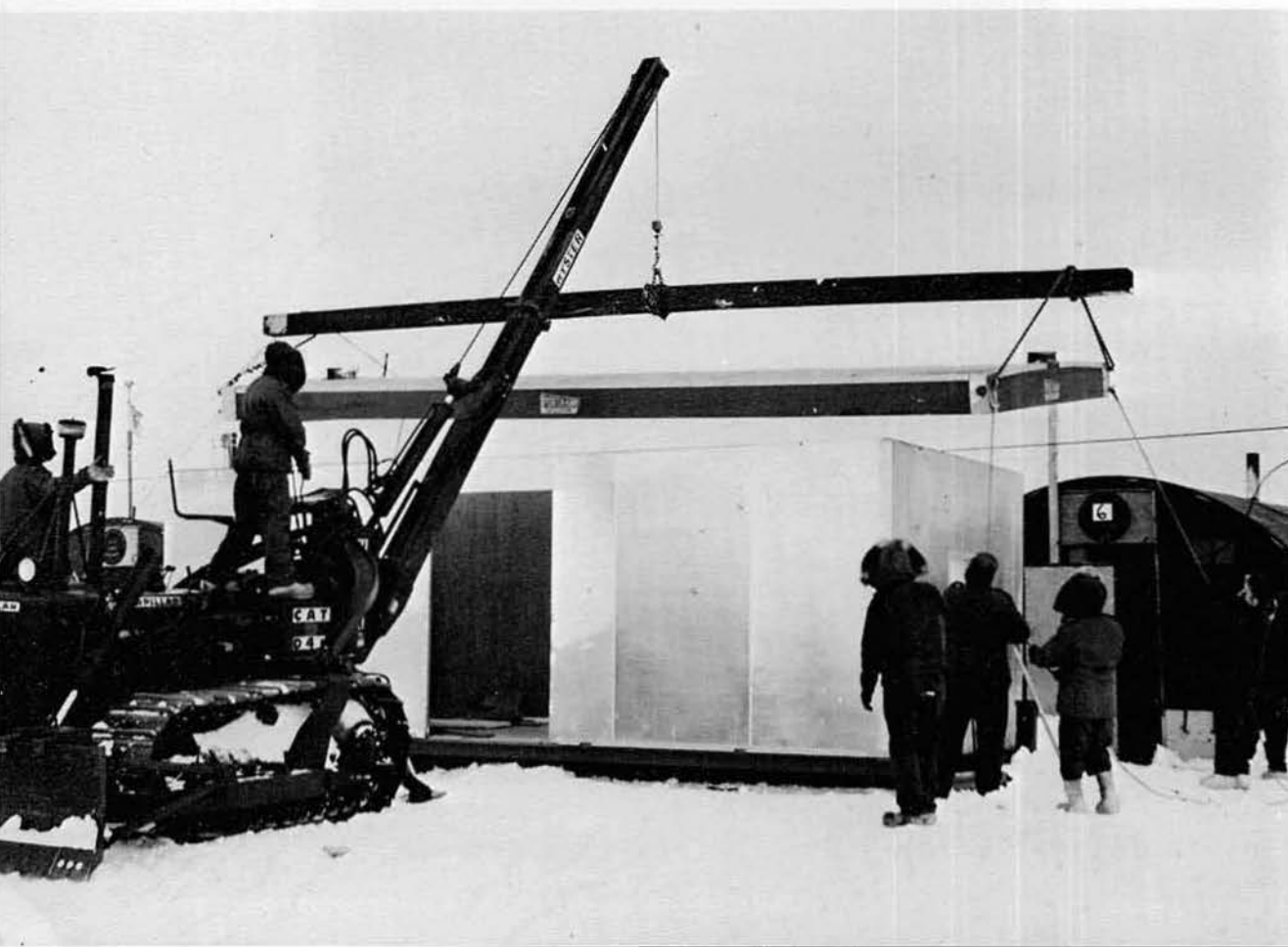
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Work





Recreation





MEMURDO
142
DISPENSARY



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DE RUHPMA 851A 2100355
ZNR UUUUU
R 290355Z JUL 67
FM CTU FOUR THREE PT ONE PT TWO
TO RUCIJHA/CTF FOUR THREE
INFO RUEDEIA/CTG FOUR THREE PT ONE
RUHPNC/CTU FOUR THREE PT ZERO PT ONE
RUCIPAA/USARP WASHDC
BT

UNCLAS
WEEKLY STA SITREP NR TWENTY-TWO
1. MCMURDO
A. MAX TEMP PLUS 12 ON 28TH. MIN TEMP MINUS 38 ON 22ND. SNOWFALL 1.3 INCHES. PEAK GUSTS 46 KTS FM ESE ON 27th. NIOM RESPONSES 5. HYDRONEAL OPERATING EFFICIENTLY.
B. SECOND SNOW MILLER OVERHAUL COMPLETE. CHUTES BEING ASSEMBLED AND MACHINE BEING PUT IN STORAGE.
C. US 19 - 18 PERCENT. US 15 - NONE
D. NEW ICE FORMED PAST CAPE ROYDS.
E. NONE
F. NONE
G. REMARKS: BOYVOTTING REPORTED AT E-6 CLUB. THE NATIVES ARE

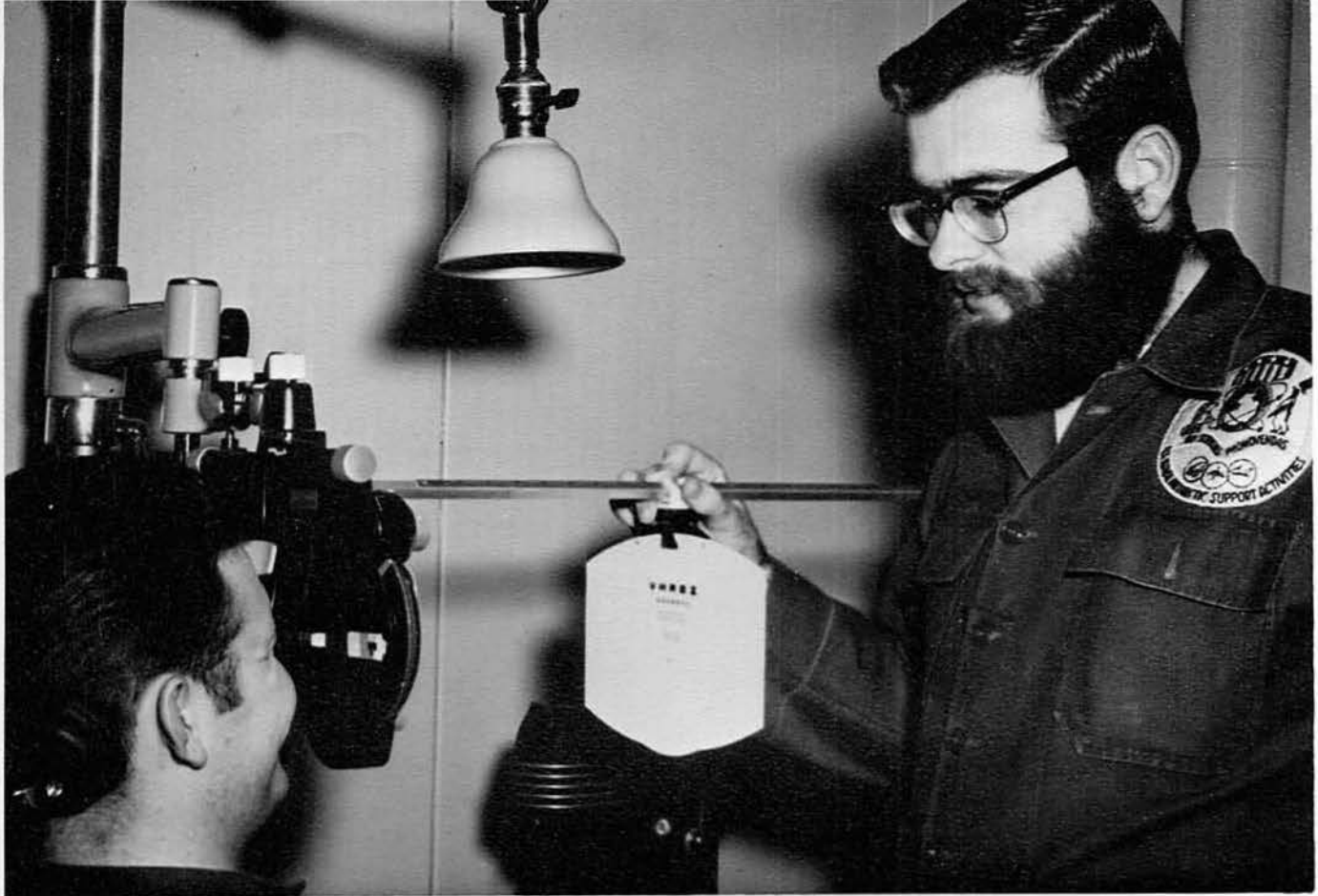
PAGE TWO RUHPMA 85 1A UNCLAS
RESTLESS.

2. BYRD
A. MAX TEMP MINUS 15. MIN TEMP MINUS 71 (LOWEST TEMP THUS FAR THIS YR). AVG DAILY WINDS NORTHERLY 11 KTS SHIPTING TO EASTERLY AND INCREASING TO 35 KTS. PEAK GUSTS 52 KTS. ON 25TH. VIS 1 MILE OR LESS 78 HRS, 1/2 MILE OR LESS 60 HOURS.
B. GAS NODWELL GMWN FOR PM, BROKEN FANBELT. (NONE ON STA) AND FUEL PUMP. ETR UNKNOWN.
C. US 15 - NONZ
D. NONE
E. REMARKS: SECTION OF SEWER LINE FROZEN BECAUSE OF FAULTY HEAT TAPE. REPLACING LENGTH OF PIPE.
3. POLE
A. MAX TEMP MINUS 55. MIN TEMP MINUS 90. WINDS 20 KTS FM ENE.
B. NONE
C. US 15 - NONE
D. NONE
E. REMARKS: STILL PITCH BLACK. HAVE BEGUN REARRANGING SUPPLY TUNNEL. WALL BUILT BETWEEN SUPPLY AND SEISMO TUNNEL AND REST OF CAMP. KEEPS CAMP TUNNELS WARMER. NO RIOTS REPORTED AT POLE STA

PAGE THREE RUHPMA 851A UNCLAS
THIS WEEK.

4. PALMER
A. MAX TEMP PLUS 34. MIN TEMP PLUS 10. STRONG WINDS AND BLOWING SNOW. GUSTS TO 75 KTS.
B. NONE
C. NONE
D. INSPECTED PALMER 11. NO FURTHER DAMAGE.
5. PLATEAU
A. MAX TEMP MINUS 55.3. MIN TEMP MINUS 100.9. MAX WIND 26.9 KTS.
B. GEN NR 1 DOWN STATUS.
C. 1 SKED MISSED
D. NONE

BT

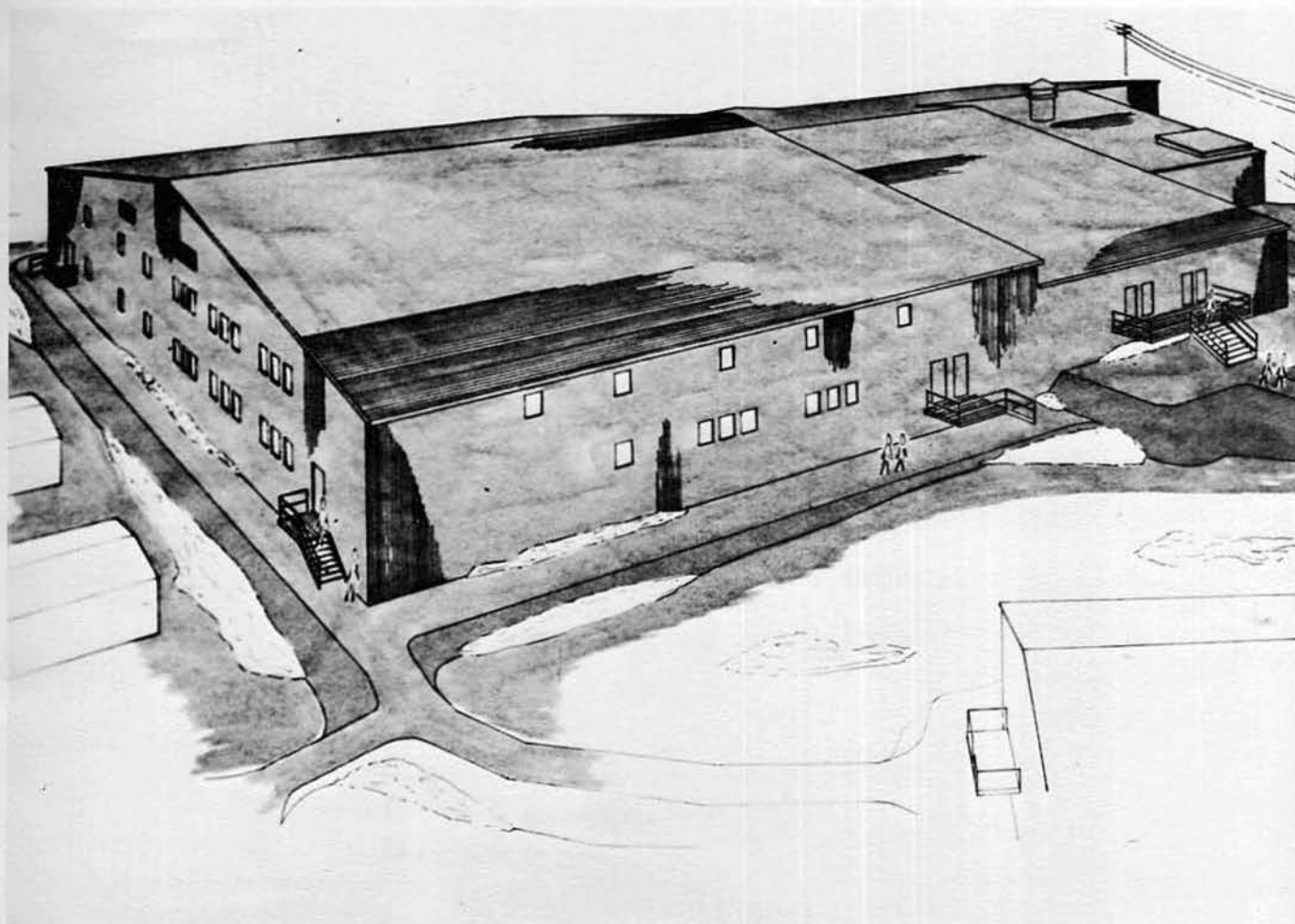


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FM DET ALFA ANTARCTICSUPPACT
TO RUHPMC/NAVCOMMUNIT CHRISTCHURCH
RUHPMC/COMAANTARCTICSUPPACT
BI

UNCLAS SECTION ONE OF EIGHT
NAVCOMMUNIT CHRISTCHURCH NOT ADDEE MAIL TO CONUS ADDEE
JUNE NEWSLETTER -- DET ALFA ANTARCTICSUPPACT

COMMANDER MILLS SENDS: NOW THAT HALF THE WINTER NIGHT IS OVER
AND WE'RE EAGERLY AWAITING THE DAWN, THE WORDS OF THE PSALMIST
SEEM APPROPRIATE--". . .WEeping MAY ENDURE FOR A NIGHT, BUT JOY
COMETH IN THE MORNING." WE HAD A LITTLE TASTE OF THAT JOY VIA YOUR
LETTERS AND PACKAGES ALONG WITH LETTUCE, TOMATOES, CELERY,
CARROTS, ONIONS AND FRESH MILK--WITH GENUINE BAKED POTATOES! WITH
THAT 'SHOT IN THE ARM' THE REST OF THE TASK SHOULD BE LIKE
COASTING DOWN HILL, AND THEN COMES THE REAL JOY.

The Future



The history and development of Antarctica, especially McMurdo Station, is easily compared with the growth of our own western states.

The pioneers explored and charted the unknown, paving the way for the heroic men that settled down to the business of living.

McMurdo at this stage in its history is coming out of its frontier days and rapidly becoming a modern city. The makeshift shelters of a few years back have been replaced by more modern, permanent structures. This progress is also responsible for the nuclear power plant, the salt-water distillation plant and soon will be even more readily noticeable.

Pictured above is the new Admin-Personnel building. Scheduled for completion in 1969, the two-story structure will provide centralized galley and laundry facilities as well as recreational lounges.


At the cost of nearly one million dollars, the new structure will be the largest on the entire continent.

This advance of modern living gains momentum each year. Many of us who have participated in DEEP FREEZE 67 may return in 25 or 30 years for a vacation trip.

We may stay at the McMurdo Hilton and during our two-week visit take submarine rides under the ice shelf, ride in an air shuttle that scoots around the top of Mt. Erebus, visit the game preserves, and after taking many pictures wind up the day at "The Top of the Hill", the club atop Observation Hill. And over a drink made with thousand-year-old-ice spin a few yarns. . .

"Why, I remember back in '67 when this was all wilderness. . ."

Indeed it is exciting and for some of us maybe just the tiniest bit sad.



I am hopeful that Antarctica,
in its symbolic robe of white,
will shine forth as a continent
of peace, as nations working
together there in the cause of
science set an example of
international cooperation.

Richard Evelyn Byrd

