

Mayewski, Paul A., geology, Ohio State University
 Rich, Thomas H., paleontology, American Museum of
 Natural History
 Ruben, John A., paleontology, University of California,
 Berkeley
 Stump, Edmund, geology, Yale University
 Wendland, Vaughn P., geology, Ohio State University

Winter 1971

Amundsen-Scott South Pole Station

Brougham, Gary W., geomagnetism-seismology, National
 Ocean Survey, NOAA
 Gadsden, Charles T., Jr., meteorology, National Weather
 Service, NOAA
 Hernandez, Hilario L., Jr., meteorology, National
 Weather Service, NOAA
¹ Jackson, Bernard V., geophysics, University of California,
 Los Angeles
 Siegner, George C., ionospheric physics, Environmental
 Research Laboratories, NOAA
 Stelle, Kellogg S., ionospheric physics, Bartol Research
 Foundation
 Urbanak, Richard L., meteorology, National Weather
 Service, NOAA

Byrd Station

¹ Billey, John P., ionospheric physics, Stanford University
 Gester, Ronald L., meteorology, National Weather Service,
 NOAA
 Holcomb, Leroy G., ionospheric physics, Environmental
 Research Laboratories, NOAA

Shirochkov, Aleksandr V., geophysics, Arctic and Ant-
 arctic Research Institute, U.S.S.R.

McMurdo Station

Balough, Michael J., satellite geodesy, University of
 Texas, Austin
 Berg, Merlin F., operational support, Holmes & Narver,
 Inc.
 Dreffin, David B., ionospheric physics, Bartol Research
 Foundation
 Golden, B. Fritts, operational support, Holmes & Narver,
 Inc.
¹ Peterman, K. Russell, satellite geodesy, University of
 Texas, Austin
 Priddy, Allan R., operational support, Holmes & Narver,
 Inc.
 Ross, Oliver R., satellite geodesy, University of Texas,
 Austin
 Stilborn, James R., ionospheric physics, McDonnell-
 Douglas Astronautics Co.
 Tucker, Donald L., operational support, Holmes & Narver,
 Inc.

Palmer Station

¹ Berry, Dale L., biology, Texas Tech University
 Davis, Brent L., biology, Texas Tech University

Vostok Station

Vance, Dale L., ionospheric physics, Environmental Re-
 search Laboratories, NOAA

¹ Station Scientific Leader.

Deep Freeze wintering personnel, 1971

At the conclusion of the 1970-1971 austral summer operation, 190 *Deep Freeze* support personnel remained to winter over at U.S. antarctic stations. Listed below are the names of these military support personnel, who are assigned to Antarctic Support Activities (ASA), Naval Nuclear Power Unit (NNPU), or Antarctic Development Squadron Six (VXE-6).

Amundsen-Scott South Pole Station

Aldrich, Jack T., RM2, ASA
 Burns, Fred J., BU1, ASA
 Gallen, Kevin P., LTJG (CEC), ASA,
Officer in Charge
 Heverley, Harry W., BU1, ASA
 Hurry, Harry A., EM2, ASA
 Jones, Mac L., UT2, ASA
 Kealey, Gerald P., LT (MC), ASA
 Maners, James A., CE3, ASA
 McGuire, Lawrence E., HM1, ASA
 Netherland, Bobbie D., EOC, ASA
 Sorrell, Bruce A., SK3, ASA
 Stohlborn, Peter G., ET1, ASA
 Treadway, Jack, CM1, ASA
 Wyland, Kenneth D., RM1, ASA

Byrd Station

Cliff, Robert C., RM2, ASA
 Cotham, Norman H., CE1, ASA

Darden, Willie E., Jr., EO3, ASA
 Hankins, David R., UT3, ASA
 Hargraves, Robert F., RM1, ASA
 Hope, Hartwell E., EM2, ASA
 Hoyt, Ronnie A., LT (CEC), ASA,
Officer in Charge
 Ivie, James C., CM1, ASA
 Knight, Harry H., CS1, ASA
 Lewandouski, Matthew F., SK2, ASA
 Long, Don W., HM1, ASA
 Nicholson, Robert L., UT1, ASA
 Peterson, Neil T., Jr., LT (MC), ASA
 Russell, Gregory G., ETN2, ASA
 Shreffler, Charles, BU1, ASA
 Wood, David A., CMCN, ASA

McMurdo Station

Adams, Jerrold L., BU2, ASA
 Anderson, Forrest D., SK2, ASA
 Anderson, Robert J., FN, ASA

Anderson, Russel F., HM1, NNPU
 Andrews, Dale L., HMC, NNPU
 Antiporta, Cruz B., UT2, ASA
 Arcuni, Albert A., LCDR (CEC),
 NNPU, *Officer in Charge*
 Ashenden, Melvin C., CECS, NNPU
 Baker, Billy A., RMC, ASA
 Barker, Paul E., CE1, ASA
 Barrow, Jimmy S., RM2, ASA
 Barstow, Jefferson W., SK3, ASA
 Bayless, Robert D., RM3, ASA
 Bayne, James L., HM2, ASA
 Beal, Clarence E., CS2, ASA
 Berube, Michael J., ETR2, ASA
 Bost, Raymond R., Jr., EO2, NNPU
 Bowling, John M., Jr., RM1, ASA
 Bozoti, David J., HM1, ASA
 Brase, Richard T., ETN2, ASA
 Brynelson, Michael U., CA, ASA
 Buck, Varnon R., YN1, ASA
 Burlingame, William R., RM2, ASA

McMurdo Station—continued

Calderon, Fred J., UT1, ASA
 Carter, John C., BUCN, ASA
 Chambers, Thomas B., III, SK3, ASA
 Clopton, Raymond L., SK1, NNPU
 Clover, Willis B., Jr., UT2, NNPU
 Cobb, Robert O., CEC, NNPU
 Colby, Stanley C., UTC, ASA
 Condon, Barnard J., AC1, ASA
 Conrad, Thomas P., DC2, ASA
 Cook, Ray E., CEC, ASA
 Daniels, Charles R., UT1, ASA
 Dinsmore, Robert L., HMC, ASA
 Dozier, Ralph E., Jr., SW2, NNPU
 Dukklaw, Donald L., ET1, ASA
 Dulaney, Jerry D., HMC, NNPU
 Edwards, James D., SN, ASA
 Elkins, Randolph H., LTJG, ASA
 Elkins, William B., CM1, ASA
 Elyard, Ernest W., MRC, ASA
 Emerson, Kenneth E., CS1, ASA
 Esquire, Robert G., LT (DC), ASA
 Everette, Richard M., ETN2, ASA
 Farley, Kenneth F., EN1, ASA
 Flick, Arthur B., LTJG (SC), ASA
 Foote, Kenneth W., CM3, ASA
 Gallant, Michael D., RM3, ASA
 Garon, Paul A., CE3, ASA
 Goepfert, Eric R., LTJG (CEC), ASA
 Gogel, Joseph R., AG1, ASA
 Goodfield, Martin C., SFC, USA,
 NNPU
 Graham, Michael J., RM2, ASA
 Gramling, Lawrence R., ET1, ASA
 Groover, John A., EO1, NNPU
 Groshong, Timothy P., RM3, ASA
 Haddock, Dennis E., SK3, ASA
 Hall, Homer H., Jr., DC1, ASA
 Harmon, John E., CE3, ASA
 Harrell, Anthony G., CM2, ASA
 Harvey, Paul A., TSGT, USAF, NNPU
 Haviland, Donald P., CE3, ASA
 Havlin, Dennis L., CM2, ASA
 Haynes, Irvin A., Jr., RM2, ASA
 Hendricks, Oscar L., ETCS, ASA
 Hilden, John R., SK3, ASA
 Hinojosa, Raul A., SFC, USA, NNPU
 Hobson, Timothy W., IC2, ASA
 Hoffman, Thomas J., AG2, ASA

Howard, Matthew A., RM2, ASA
 Huntone, Arthur W., EO1, ASA
 Jakulewicz, Charles S., CMC, NNPU
 Kearney, Peter M., SKSA, ASA
 Kees, Billy W., SH3, ASA
 Kelley, Frank A., SN, ASA
 Kent, Larry S., ETN3, ASA
 Klett, Thomas F., TSGT, USAF,
 NNPU
 Knowles, James E., RM1, ASA
 Kopplin, Richard C., RM1, ASA
 Krouse, Thomas M., RM3, ASA
 Laine, Paul A., FN, ASA
 LaKey, Jessie K., CMC, ASA
 Law, David E., CE3, ASA
 Leshner, John Q., LCDR (CHC), ASA
 Lettman, Lincoln H., Jr., BUC, ASA
 Linn, Paul E., CWO2, NNPU
 Loughmiller, Edward J., CM1, ASA
 Lucas, Frank R., RM2, ASA
 Lyda, James A., UT3, ASA
 MacDonald, Bruce R., LT (MC), ASA
 Marcum, Kenneth R., PH2, VXE-6
 Mattox, Benjamin G., Jr., CDR, ASA,
*Officer in Charge and Commander,
 ASA Detachment Alpha*
 McCarthy, James F., Jr., DK2, ASA
 McCracken, David C., SH3, ASA
 McGranaghan, Jerome E., Jr., CE3,
 ASA
 Miller, Frederick P., HMC, NNPU
 Money, Dennis W., CA, ASA
 Mumma, Gilbert J., CM3, ASA
 Murphy, Melvin J., UT1, ASA
 Myers, Dudley D., Jr., SK2, ASA
 Myers, Fletcher D., EM1, ASA
 Neeley, Charles H., CE2, ASA
 Nevill, Fred M., DT2, ASA
 Newman, Elbert W., CE1, NNPU
 Nightingale, Alfred K., Jr., UT3, ASA
 Obey, Robert H., CEC, NNPU
 O'Connor, Arthur C., CE2, NNPU
 Pangborn, Kenneth R., BT3, ASA
 Pollock, Herbert W., UTCM, NNPU
 Pruitt, Michael H., RM2, ASA
 Pullman, George R., EO1, ASA
 Pytlik, Donald R., SH2, ASA
 Reiling, Wayne G., UT1, ASA
 Remmers, Bernard R. R., CS3, ASA
 Reynolds, Ronald R., BU3, ASA

Rollings, Peter R., EM2, ASA
 Ross, Pellam L., Jr., BU1, ASA
 Roy, Tom H., PN3, ASA
 Sawyer, Paul L., HM2, ASA
 Schnabel, Steven W., RMSN, ASA
 Schuler, Wilford L., SH2, ASA
 Schweibinz, Edward R., CE1, NNPU
 Seib, Robin L., AG2, ASA
 Simpson, James F., EA3, ASA
 Sisk, Wallace A., Jr., CE1, NNPU
 Slivonik, Wesley W., ETN2, ASA
 Smith, Wayne B., ETN2, ASA
 Stewart, Marvin G., EO1, ASA
 Stickels, Kirk F., DC2, ASA
 Strawbridge, Lester R., EO2, NNPU
 Taylor, Jerry K., HM2, ASA
 Terwey, Carl L., CMCN, ASA
 Thomas, Leemon D., Jr., PCSN, ASA
 Thompson, Bobby L., CSC, ASA
 Tomsyck, Kenneth J., SF1, ASA
 Toussaint, Phillip A., CS2, ASA
 Turner, John R., SW3, ASA
 Turner, Roger D., CS2, ASA
 Vaughn, Dudley R., EO2, ASA
 Wagner, Harry A., SW3, ASA
 Waidelich, Timothy L., RM3, ASA
 Walsh, William J., Jr., EO3, ASA
 Webb, Charles E., UT1, ASA
 Westermark, Jay W., EO2, ASA
 Whitney, Stephen H., SK3, ASA
 Wilson, Richard A., SK2, ASA
 Wolf, Douglas M., SK2, ASA
 Wright, Jeffrey J., CE3, ASA
 Zapp, Terrence B., RM2, ASA
 Zinsmeister, Richard E., SKC, ASA

Palmer Station

Campleman, Richard, CEC, ASA
 Fenton, Ernest R., LTJG (CEC), ASA,
Officer in Charge
 Mahalak, Lawrence W., LT (MC),
 ASA
 Poitevint, Bobby J., RM1, ASA
 Ross, Barry S., SK2, ASA
 Snyder, Ralph L., CM2, ASA
 Warren, Troy M., CS1, ASA
 Welday, Dewitt L., HM1, ASA
 Woodbury, Frank H., UT1, ASA

Population of U.S. stations, 1970-1971

| Station | Summer average | | Winter | |
|----------------|----------------|-------|--------|-------|
| | Navy | USARP | Navy | USARP |
| Amundsen-Scott | | | | |
| South Pole | 21 | 7 | 14 | 7 |
| Brockton | 3 | 0 | 0 | 0 |
| Byrd | 23 | 13 | 16 | 14 |
| Hallett | 15 | 3 | 0 | 0 |
| McMurdo | *866 | *67 | 151 | 9 |
| Palmer | 10 | 19 | 9 | 2 |
| Siple | 0 | 7 | 0 | 0 |

¹ Includes one Soviet exchange scientist. Not included is one U.S. exchange scientist at the Soviet station Vostok.

² Includes persons at remote field camps for varying periods.

U.S. scientists receive Soviet medal

The U.S.S.R. Academy of Sciences has awarded a Soviet medal commemorating the 150th anniversary of Bellingshausen's voyage to the Antarctic to five U.S. scientists. As announced in an earlier *Antarctic Journal* (vol. V, no. 4, p. 151), Dr. Victor P. Hessler and Mr. F. Michael Maish of the National Oceanic and Atmospheric Administration each received a medal. During the SCAR Meeting in Oslo in August 1970, three others were similarly honored: Dr. Campbell Craddock, University of Wisconsin; Dr. Laurence M. Gould, University of Arizona; and Mr. Morton J. Rubin, National Oceanic and Atmospheric Administration.