

THE JOINT ARCTIC WEATHER STATIONS: SCIENCE AND SOVEREIGNTY IN THE HIGH ARCTIC, 1946-1972

by Daniel Heidt and P. Whitney Lackenbauer

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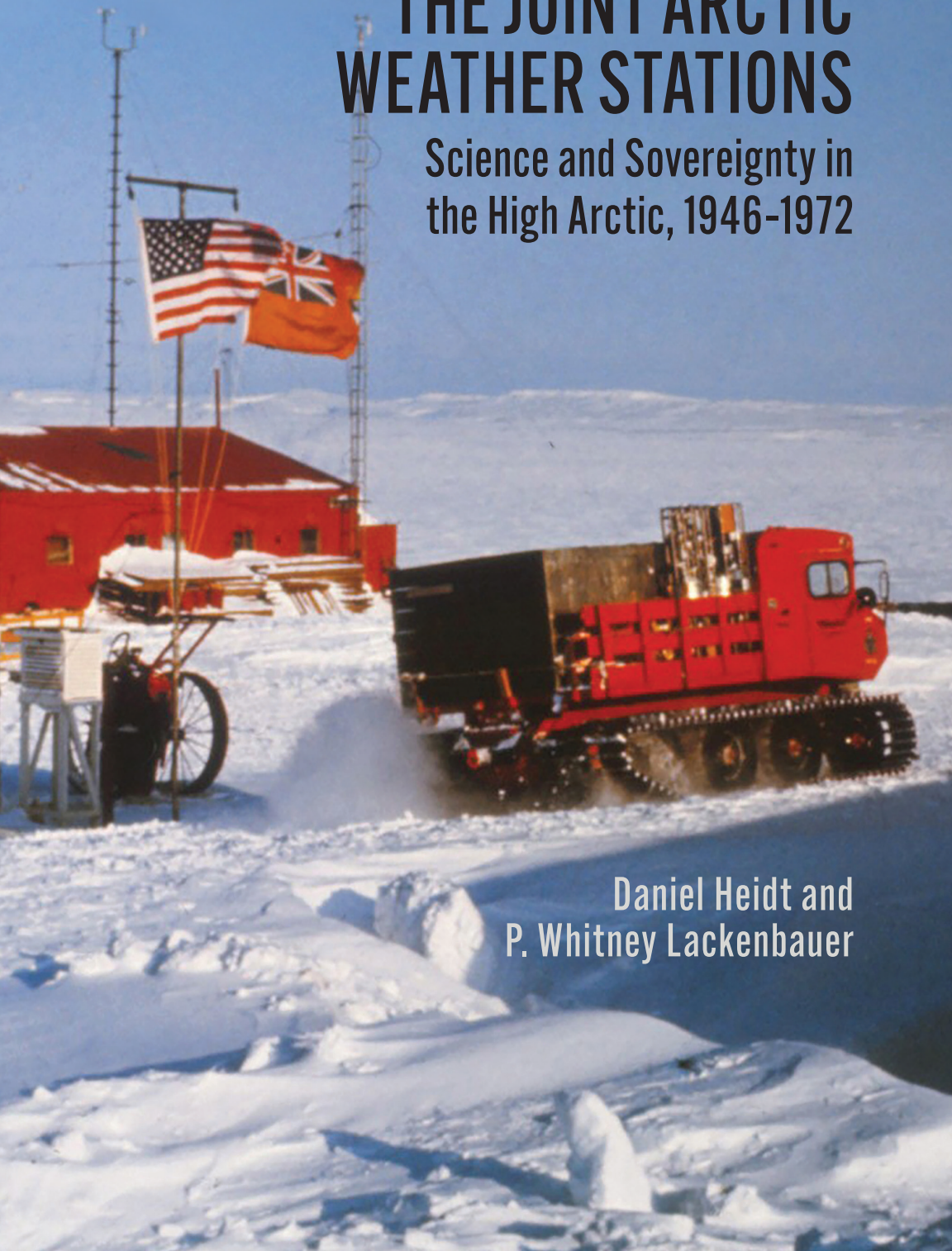
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Science and Sovereignty in
the High Arctic, 1946-1972



Daniel Heidt and
P. Whitney Lackenbauer

THE JOINT ARCTIC WEATHER STATIONS

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To the JAWS personnel who served their continent

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Acronyms

AAF	Army Air Forces
ABC	America-Britain-Canada
ACC	Air Coordinating Committee
acc.	accession
ACND	Advisory Committee on Northern Development
ADTIC	Arctic, Desert and Tropic Information Centre (USAAF)
AES	Atmospheric Environment Service
AINA	Arctic Institute of North America
Alta.	Alberta
ARCTOPS	Arctic Operations Study
ATC	Arctic Training Centre
BC	British Columbia
BMEWS	Ballistic Missile Early Warning System
BT	bathymograph
c.	circa
C	Celsius
CAD	Canadian dollars
CAE	Canadian Arctic Expedition
CAF	Canadian Armed Forces
Canol	Canadian Oil
CBC	Canadian Broadcasting Corporation
CCGS	Canadian Coast Guard Ship
CDC	Cabinet Defence Committee
CFB	Canadian Forces Base
CFS	Canadian Forces Station
CGS	Canadian Government Ship
CMS	Canadian Meteorological Service
CNO	Chief of Naval Operations
Cong.	Congress
CRREL	Cold War Regions Research and Engineering Laboratory
CWC	Cabinet War Committee
D.C.	District of Columbia
DCASS	Documents on Canadian Arctic Sovereignty and Security

<i>DCER</i>	<i>Documents on Canadian External Relations</i>
DEA	Department of External Affairs
DEW Line	Distant Early Warning Line
DEXAF	Department of External Affairs
DFC	Distinguished Flying Cross
DHH	Directorate of History and Heritage
DMR	Department of Mines and Resources
DNANR	Department of Northern Affairs and National Resources
DND	Department of National Defence
DoT	Department of Transport (Canadian)
Dr.	Doctor
DRB	Defence Research Board
ed.	edition/editor
ESSA	U.S. Environmental Science Services Administration
ExO	Executive Officer
f.	file
F	Fahrenheit
Fig	Figure
F/L	Flight Lieutenant
F/O	Flying Officer
<i>FRUS</i>	<i>Foreign Relations of the United States</i>
Ft.	Fort
ft.	foot/feet
Gen.	General
GMT	Greenwich Mean Time
HAWS	High Arctic Weather Stations
HBC	Hudson's Bay Company
HMS	His/Her Majesty's Ship
Hon.	Honourable
H.R.	House of Representatives
hr	hour
IGY	International Geophysical Year
in.	inches
IPY	International Polar Year
JAWS	Joint Arctic Weather Stations
km	kilometres
K.P.	kitchen patrol/kitchen police
LAC	Library and Archives Canada

lbs.	pounds
LCM	landing craft, mechanized
LCN	landing craft, navigation
LCVP	landing craft, vehicle, personnel
Lieut./Lt.	Lieutenant
Lt. Col./LCol	Lieutenant-Colonel
m	metres
Maj.	Major
MANOBS	<i>Manual of Standard Procedures and Practices for Weather Observing and Reporting</i>
MCC	Military Co-Operation Committee (Canada-United States)
met techs	meteorological technicians
MG	Manuscript Group
mi	miles
MIT	Massachusetts Institute of Technology
MPH	miles per hour
MV	Motor vessel
N	North
NARA	National Archives and Records Administration
NATO	North Atlantic Treaty Organization
n.d.	no date
no.	number
NORAD	North American Air Defence Command
NWT	Northwest Territories
OIC	officer in charge
Op	Operation
Ops. Bldg.	Operations Building
PBM	patrol bomber
PBY	patrol bomber (Consolidated Aircraft Co.)
PC	Privy Council
PCSP	Polar Continental Shelf Project
PEARL	Polar Environment Atmospheric Research Laboratory
pibal	pilot balloon
PISO	no pilot balloon observation, snowing
PIWI	no pilot balloon observation, high or gusty surface wind
PJBD	Permanent Joint Board on Defence
P.Q.	Province of Quebec
pt.	part

QTC	Qikiqtani Truth Commission
RAOB	Rawinsonde Observation
RAWIN	Rawinsonde
RCAF	Royal Canadian Air Force
RCAP	Royal Commission on Aboriginal Peoples
RCMP	Royal Canadian Mounted Police
RCN	Royal Canadian Navy
RCNR	Royal Canadian Naval Reserve
ret'd	retired
Rev.	Reverend
rev.	revised
RG	Record Group
SCR	Signal Corps Radio
SIPRE	Snow, Ice and Permafrost Research Establishment
S/L	Squadron Leader
SS	Steamship
SSEA	Secretary of State for External Affairs
SSHRC	Social Sciences and Humanities Research Council
temp.	temperature
TF	Task Force
trans.	translated
UK	United Kingdom
US / USA	United States of America
USAAF	United States Army Air Forces
USAF	United States Air Force
USCGS	United States Coast Guard Ship
USD	United States dollars
USN	United States Navy
USS	United States Ship
USSEA	Under-Secretary of State for External Affairs
USSR	Union of Soviet Socialist Republics
USWB	United States Weather Bureau
vol.	volume
W	West
WO2	Warrant Officer Second Class