

University of Alaska: Active Participant in Growing Alaska's Economy

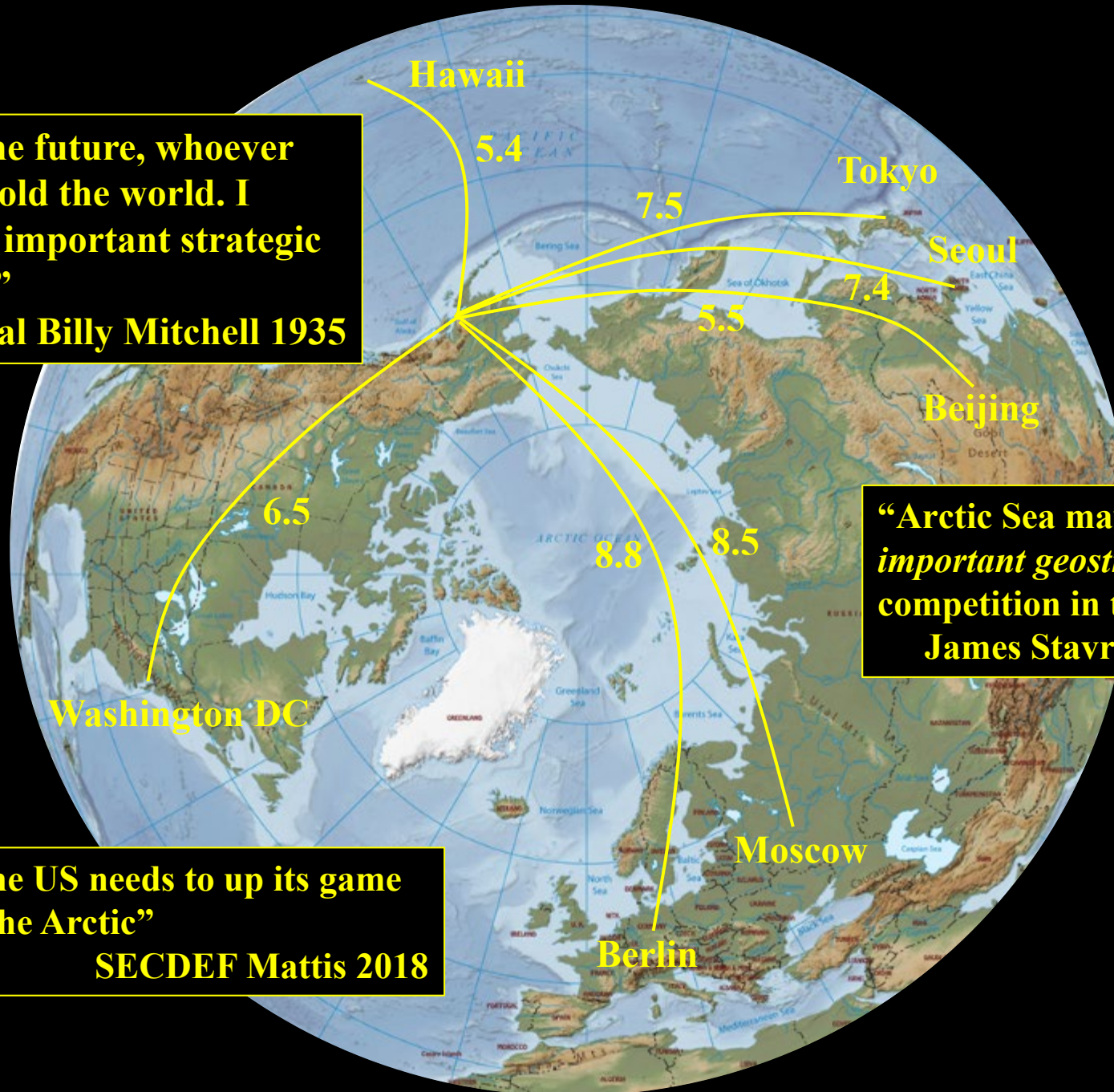


Dr. Nettie La Belle-Hamer
UAF Vice Chancellor for Research

TM

“I believe that in the future, whoever holds Alaska will hold the world. I think it is the most important strategic place in the world.”

General Billy Mitchell 1935

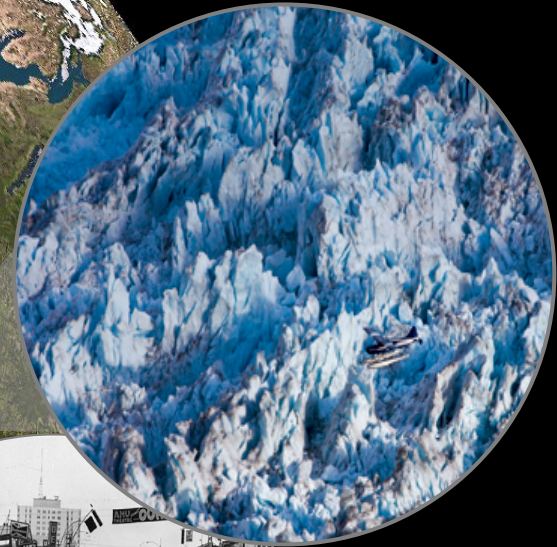
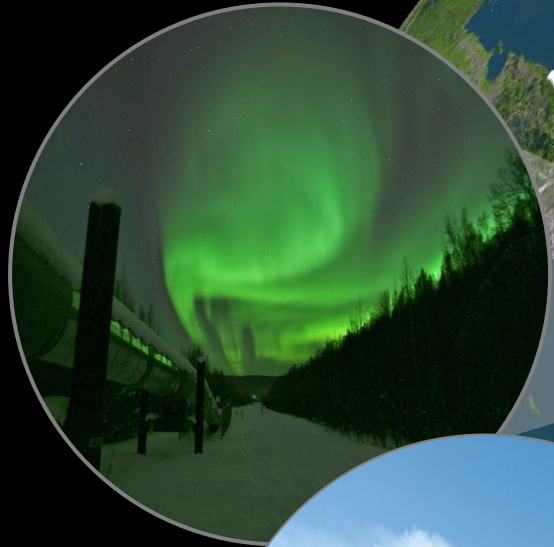


“Arctic Sea may be the *most important* geostrategic zone of competition in the coming decades”
James Stavridis (ADM Ret) 2018

“The US needs to up its game in the Arctic”
SECDEF Mattis 2018

C-17 Flying time (Hrs) from JBER

ALASKA IS UNIQUE





CLIMATE DRIVERS
LEAD TO
ENVIRONMENTAL
EFFECTS



A photograph of a vast sea ice field under a twilight sky. The ice consists of numerous large, flat, rectangular floes of varying sizes, some with visible cracks and textures. The sky is a gradient of colors from a pale blue at the horizon to a deep purple and blue at the top. The overall scene is desolate and cold.

SEA ICE
IMPACTS
ARE BOTH
LOCAL
AND
GLOBAL

PERMAFROST CHANGE IN THE ARCTIC



DOMAIN AWARENESS



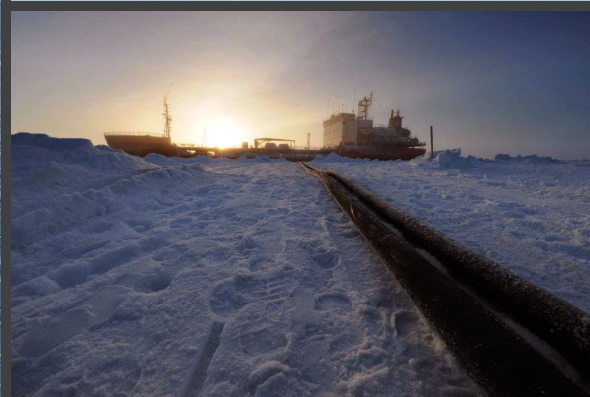
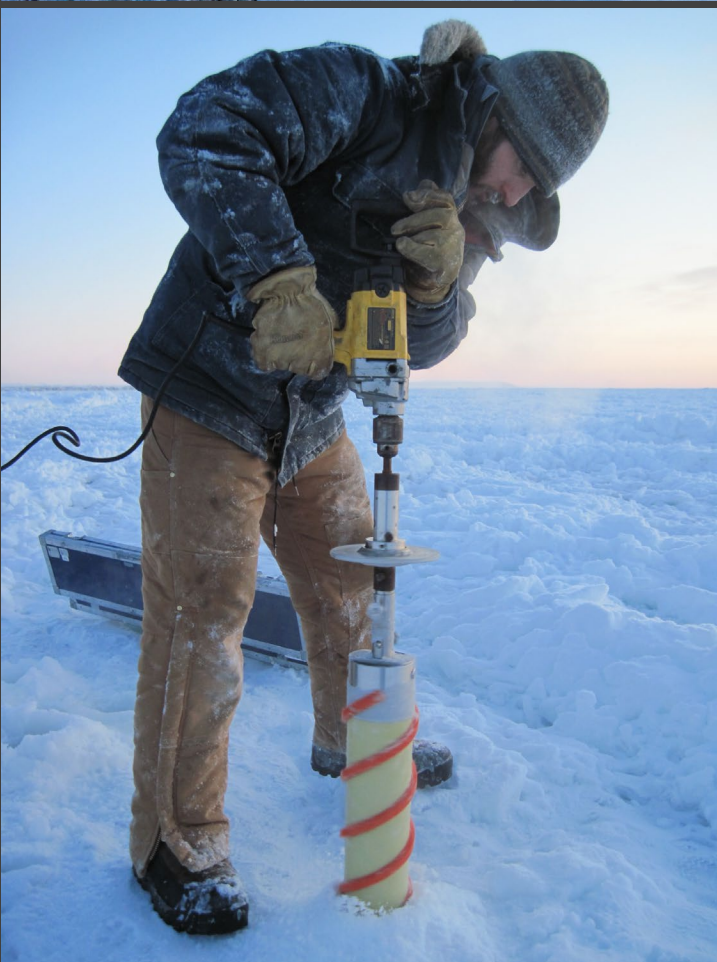
Grounded Ship
Selendang Ayu

Low Backscatter
Indicates Possible
Spilled oil

© CSA 2004



SOCIETAL BENEFITS



Mining & Geological Engineering



- Vital workforce and professional expertise for developing Alaska's resources
- Dates back to University of Alaska's Founding
- Job placement rate nearly 100% after graduation



Alaska has Opportunity and Demand for Skilled Workers

Alaska Miners Assoc.
identified priority
occupations:

- Mill Process Operators
- Mechanics
- Underground Miners

UA maximizes industry
partnerships, federal
grants, and philanthropic
giving to train Alaskans for
resource jobs



World-class underground Surface Mine Training Facility

Resource Industry Training Programs Sponsored by UA

University of Alaska
has trained over
1,500 workers
for oil & gas and
mining industries in
past five years



Skilled **Workforce Development** for Alaskans - with proven results



85% of MAPTS graduates are still employed 1 year after graduation
(Education Northwest, Final TAACCCT Report, 2018)

OPERATING IN ARCTIC EXTREMES



**A strong engineering and technical workforce
is critical to Alaska's economic future.**



Thank You!

