

GEORGE LLANO TAPE

Polar research interest, pre-Naval Arctic Research Laboratory
World War II

Laurence Irving, director of Martin Laboratory, Swathmore
Peter Scholander, botanist, interest in polar research
Army Air Corps
Llano's Scandinavian-American foundation study in Sweden

1948:

Point Barrow

Wainwright

* Anaktuvuk Pass

* Simon Paneak, English-speaker at Anaktuvuk Pass

Reindeer herd

U.S. Birds of Anaktuvuk Pass (Paneak)

Grizzly bear story

* Tent fire

Barrow Eskimos: bird collections

Animal captures for research

Brower family at Barrow

Prudhoe Bay/Trans-Alaska Pipeline:

International Biological Program

University of Alaska

Energy flow studies

Revegetation studies

Anaktuvuk Pass: Foods among Eskimo tribe

* George Rausch, authority on parasites in the arctic;
plants and animals

* Lloyd Spetzman, U.S. Geological Survey botanist

Disabled small airplane, crash landing at Anaktuvuk Pass
(flown by FAA pilots; Eskimo repairs to pontoon and
hole in hull using caribou fat)

Logistics in remote arctic research: Arctic Contractors

Sierra Club, environmentalists and Prudhoe Bay development

International Biological Program committee tour of Alaska
(Barrow, Prudhoe Bay, oil companies, environmental
sensitivities)

Naval Arctic Research Laboratory

Petroleum 4

Laurence Irving studies of animals

Arctic baseline studies

Peter Scholander invention of device to measure carbon
monoxide and gases

Llano's interest in lichens, spurred by Scholander

Antarctica:

President Eisenhower's policy
 Emphasis on Antarctic vs. Alaska polar research
 Max Brewer, NARL administrator
 North Slope residents' interests in preserving laboratory
 Polar research by other countries:
 Greenland, Disko Island
 Norway, Cape North
 Lack of American polar research emphasis

Lichenology

Cornell University
 Llano's first chair at Smithsonian Institute
 Economic significance of lichens: Harris Tweeds, published
 paper (New York City Britannical Society, WWII-era)

Antarctic developments:

Antarctica, 1957
 National Science Foundation
 Bob Elsnore, Fairbanks researcher
 Meteorological and atmospheric studies
 Early biology studies at Antarctica
 First biological laboratory
 Research funding
 IGY
 Ted Bayer: expeditions and activities in Antarctic
 John Rusco, Navy
 Department of Interior, National Security Section
 Publications of Antarctic research
 Antarctic Research Series
 Waldo Schmidt, Smithsonian Institute
 Biology of the Antarctic Seas (Llano was editor)
 American Geophysical Union
 Library of Congress
 Cold Regions Research and Engineering Laboratory
 Antarctic Bibliography
 Scott Center in England
 New Zealand study of the Aucklands
 Lichen studies
 Seal species identification
 Antarctic convention, 1972: seal harvesting
 Antarctic Treaty
 Penguin research
 Whales research
 Krill research
 Antarctic ecology

- * Simon Paneak
- * Nunamiats, Mountain Eskimos, nomadic tribe
- * School for children