**BIO PHOTOSHOP**

**COLOUR SLIDE ARCHIVES**

**INVENTORY OF HOLDINGS**

February 2020

Donald Gordon

DFO Emeritus Scientist

Bedford Institute of Oceanography

All colour slides taken by BIO photographers (e.g. Norm Fenerty, Roger Belanger, Heinz Wiele and Kelly Bentham) held in the Photoshop Archives have been reviewed. These cover the period of 1970-2000. The collection does not include colour slides taken by other BIO staff. About half were still held in plastic sleeves stored in three-ring binders. These were transferred to archival plastic pages, that hold 20 slides each, and hung vertically in metal filing cabinets. The entire collection is now properly organized by subject (e.g. cruises, field programs, ships, BIO buildings and staff, marine organisms, aerial photos, etc.), labeled and stored. Some culling of duplicates, poor images or images of questionable long-term value was done during the process. The entire collection now consists of 1,195 pages, approximately 24,000 slides, organized by subject, chronologically where possible. These are held in three four-drawer metal filing cabinets located in the Archive Room of the Photoshop on the Ground Floor of the Strickland Building (ST- G13).



Anyone wanting to view the collection should make arrangements with Kelly Bentham. Pages can be easily removed from the filing cabinets and viewed on a nearby light table. Slides cannot be removed from the Photoshop but any selected images can be scanned on site. Since the slides were taken by Photoshop photographers, there are no copyright issues in using them.

**DRAWER 1**

**Cruises**

Hudson 70 12 pages

Summer

B. Pelletier (AGC)

Arctic Leg and return to BIO

Geology

Hudson 76-023 3 pages

23 July-19 Aug 1976

R. Falconer (AGC)

Eastern Arctic

Geology

Hudson 77-024 20 pages

22 Aug-17 Sept 1977

P. Jones (AOL)

Eastern arctic and Labrador Sea

Chemical data collection, investigation of oil seep area near Scott Inlet

Hudson 78-009 5 pages

17 Sept-23 Oct 1978

B. McLean (AGC)

Baffin Island Shelf and Baffin Bay

Geophysical and geological studies

Hudson 78-026 21 pages

25 Aug-16 Sept 1978

E. Levy (AOL)

Scott Inlet, Buchan Gulf, Lancaster Sound, Melville Bay

Arctic oil seeps

Hudson 79-017 10 pages

13 June-31 July 1979

C. Schafer (AGC)

West of Orphan Knoll

Marine geological process studies

Hudson 81- 001 6 pages

27 Feb-16 March 1981

R. Pocklington (AOL)

BIO to Colon, Panama

Multidisciplinary investigations, BIOSTAT project

Hudson 81-017 4 pages

16-30 May

R. Chase (UBC)

Juan de Fuca Ridge and Explorer Seamount off Vancouver Island

Geological and geochemical studies and drilling of basalt cores

Hudson 81-045 16 pages

1 Oct-4 Nov 1981

M. Lewis (AGC)

Eastern Arctic, Grand Banks

Geological and geophysical studies

Hudson 82-018 12 pages

15 June-5 July 1982

D. Buckley (AGC)

Nares Abyssal Plain

Study history of deposition and geochemical reactivity of deep-sea sediments

Hudson 82-054 6 pages

18 Oct-2 Nov 1982

H. Josenhans (AGC)

Labrador Shelf

Surficial geology surveys

**DRAWER 2**

Hudson 83-019 9 pages

8-15 July 1983

G. Fader (AGC)

Bedford Basin, Scotian Shelf and slope

Testing Seabed II mapping system, sidescan sonar surveys, seabed sediment sampling

Hudson 83-028 33 pages

19 September-5 October

J. Syvitski (AGC)

Baffin Island fjords

Climatology, sediment dynamics, animal-sediment interrelationships and other studies

Hudson 83-030 7 pages

5-26 October 1983

G. Vilks (AGC)

Labrador Shelf, Lake Melville

Sediment sampling, seismic surveys and chemical studies of petroleum-related substances

Needler N021 1984 2 pages

16-22 Jan 1984

L. Dickie (MEL)

Scotian Shelf

Testing ECOLOG acoustic fish counting system

Hudson 84-029 3 pages

18-25 July 1984

G. Fader (AGC)

Bedford Basin, Scotian Shelf and slope

Testing Seabed II deep ocean mapping system, sidescan sonar surveys, seabed sediment sampling, evaluating Hydrostar range bearing receiver, sidescan sonar surveys, seabed sediment sampling and photographs

Hudson 85-001 5 pages

18-29 March 1985

D. Piper (AGC)

Laurentian Fan and Fogo Seamounts

Investigating seabed stability

Hudson 85-005 3 pages

31 March-24 April 1985

G. Fader (AGC)

Grand Banks and Avalon Channel

Map surficial bedrock geology and carry out NORCO rock core drill and acoustic positioning tests

Dawson 85-015 5 pages

1-14 June 1985

D. Sameoto (MEL)

Scotian Shelf and Banquereau Bank

Distribution of chlorophyll and zooplankton

Hudson 85-027 15 pages

23 Sept-27 Oct 1985

B. MacLean (AGC)

Davis Strait, Baffin Bay and Hudson Strait

Surficial samples for paleoecological studies, surficial and shallow bedrock mapping and sampling using rock core drills and high resolution seismic techniques

Baffin 85-029 7 pages

1-13 October 1985

C. Ross (AOL)

Baffin Bay, Dolphin

Baffin Bay circulation

Baffin 85-033 4 pages

Dolphin

Dawson 86-011 6 pages

9-19 May 1986

K. Frank (BSB)

Brown’s Bank and Bay of Fundy

Ichthyoplankton dynamics

Hudson 86-017 5 pages

18-28 June 1986

G. Fader (AGC)

Whale Deep, Avalon Channel, Halibut Channel, Haddock Channel, Green Bank, Grand Banks

Surficial and shallow bedrock geology for surficial mapping of proposed pipeline corridors

Hudson 86-027 16 pages

26 Aug-25 Sept 1986

B. MacLean (AGC)

Wellington Channel, Byam Martin Channel, Viscount Melville, Prince Regent , Barrow Strait areas

Collection of physical, geophysical, geotechnical, biological, physical oceanography and hydrographic data

Hudson 86-040 2 pages

21-31 Oct 1986

H. Josenhans (AGC)

Hudson Bay

Correlation of glacial stratigraphy and geomorphology, and deglaciation of the Laurentide Ice Sheet

Needler 1987 2 pages

**DRAWER 3**

Hudson 87-003 5 pages

3-14 April 1987

K. Manchester/L. Mayer (AGC)

Emerald Basin, Laurentian Fan

Conduct seismic surveys and test new modified equipment

Dawson 87-024 3 pages

30 June-11 July 1987

D. McKeown (PCSB)

Scotian Shelf

Gear testing

Hudson 87-028 12 pages

3-21 Aug 1987

H. Josenhans (AGC)

Hudson Bay

Vertical and laterial distribution of surficial and subsurface geological units, seafloor and paleosediment dynamics

Dawson 88-041 8 pages

23-30 Nov 1988

K. Kranck (PCSB)

Bay of Fundy

Sedimentation studies

Dawson 89-006 5 pages

4-18 May 1989

G. Fader (AGC)

Northwest Grand Banks

Geophysical study of near-shore surficial sediments and bedrock mapping

Baffin 89-008 2 pages

29 May-23 June 1989

H. Josenhans/R. Parrot (AGC)

Gulf of St. Lawrence and Scotian Shelf

Geophysical survey and high resolution seismics

Baffin 89-014 1 page

14-19 July 1989

B. Long (IRNS)

Lake Melville, Labrador

Geophysical survey, underwater photography, sediment sidescan bathymetric mapping, ADFEX project

Hudson 89-039 6 pages

18-30 March 1989

C. Amos (AGC)

Georges Bank

Sediment transport studies

ROV 89 14 pages

ROV 90 5 pages

Baffin 90-006 13 pages

9 May-6 July 1990

C. Rockwell (CHS)

Bonavista Bay

Hydrographic charting

Hudson 90-028 9 pages

30 Oct-17 Nov 1990

H. Josenhans (AGC)

Gulf of St. Lawrence

Geophysics, Quaternary geology

Hudson 91-061 12 pages

24 Feb-18 March 1991

C. Tang (PCSB)

Northeast Newfoundland Shelf

Ice margin study

Hudson 92-001 6 pages

6-16 April 1992

C. Amos (AGC)

Georges Bank

Geophysics

Hudson 92-003 4 pages

21 Apr-1 May 1992

D. Buckley (AGC)

Scotian Shelf

Geology, piston core tests

Hudson 92-028 15 pages

5 Aug-12 Sept 1992

C. Amos/B. MacLean (AGC)

Hudson Bay/Great Whale River

Environmental geology

**DRAWER 4**

Parizeau 92-031 13 pages

19-29 August 1992

D. McKeown (PCSB)

Scotian Shelf

Gear trials

Parizeau 92-034 6 pages

1-13 Sept 1992

T. Rowell (BSB)/P. Schwinghamer (NAFC)

Grand Banks, Scotian Shelf

Trawl impact studies

Oceanus (US) 2 pages

26 Oct-19 Nov 1992

N. Oakey (PCSB)

Canary Basin

North Atlantic tracer release experiment and microstructure studies

Hudson 93-016 5 pages

10-16 June 1993

C. Amos (AGC)

Sable Island Bank

Seabed sediment stability

Parizeau 93-021 7 pages

28 June-16 July 1993

T. Rowell (BSB)/P. Schwinghamer (NAFC)

Grand Banks

Otter trawling experiment

Parizeau 93-029 8 pages

4-21 Sept 1993

T. Rowell (BSB)

Grand Banks

Otter trawling experiment

Hudson 93-030 14 pages

3-17 Sept 1993

J. Syvitsky (AGC)

East Greenland/western Iceland Shelf

Geology and geophysical surveys

Moresby 3 pages

27 Sept-8 Oct 1993

G. Fader (AGC)

Scotian Shelf

Sidescan sonar survey of coastal area to map surficial geology

Parizeau 94-015 7 pages

4-21 July 1994

T. Rowell (BSB)

Grand Banks

Otter trawling experiment

Hudson 94-027 5 pages

15 Aug-2 Sept 1994

1. Grant (GSCA)

Laurentian Trough

Geophysics

Hudson 95-006 6 pages

23 May-3 June 1995

H. Josenhans (GSCA)

Cabot Straight

Geophysics

Parizeau 95-013 8 pages

19 June-12 July 1995

T. Rowell (BSB)

Grand Banks

Otter trawling experiment

Parizeau 95-028 4 pages

10-18 Oct 1995

D. Sameoto (BSB)

Scotian Shelf

Zooplankton studies

Parizeau 96-009 6 pages

1-15 June 1996

D. Gordon (MESD)

Scotian Shelf

PERD and fishing gear impacts

Templeman 192/96 3 pages

Needler N05 1997 2 pages

Needler N241 1997 5 pages

Parizeau 97-013 4 pages

23 May-6 June 1997

D. Belliveau (OSD)

Sable Island Bank, Cabot Strait and Eastern Shore

Engineering trials, suspended sediment studies and optical plankton counter

Hudson 97-020 3 pages

16 June-4 July 1997

G. Fader (GSCA)

Seabed mapping, sediment transport and erosion

Bay of Fundy, Browns Bank

**DRAWER 5**

Matthew 97-045 11 pages

3 Sept-10 Oct 1997

B. MacGowan (CHS)

Bonavista Bay, NL

Hydrography

Parizeau 97-053 (two legs) 11 pages

27 Sept-20 Oct 1997

D. Gordon/K. Muschenheim (MESD)

Grand Banks, Scotian Shelf

PERD and fishing gear impacts

Matthew 98-005 6 pages

27 April-24 June 1998

South coast of Newfoundland

Hydrography

Hudson 98-015 (two legs) 17 pages

22 May-16 June 1998

D. Gordon/K. Muschenheim (MESD)

Grand Banks, Scotian Shelf

PERD and fishing gear impacts

Parizeau 98-??? 1 page

Nov??

Transportation Safety Board?

Swiss Air crash site off Peggy’s Cove

Benthic surveys and recovery of wreckage

Hudson 99-012 (two legs) 16 pages

12 May-6 June 1999

D. Gordon/K. Muschenheim (MESD)

Grand Banks, Scotian Shelf

PERD and fishing gear impacts

Hudson 00-020 (two legs) 24 pages

11 June-7 July 2000

K. Muschenheim/D. Gordon (MESD)

Grand Banks, Scotian Shelf

PERD and fishing gear impacts

Hudson 00-047 3 pages

9-23 September 2000

B. Todd (GSCA)

Southern Scotian Shelf, Georges Bank, Northeast Channel

Geophysical and geological seabed surveys

**Field Projects**

Operation Oil (BIO) 1970 2 pages

St. Margaret’s Bay (MEL) 1 page

Canso 1973 (AGC) 11 pages

Cunningham Inlet, NWT, July 1977 (CHS) 12 pages

**DRAWER 6**

LOREX 1979 (Lomonosov Ridge Experiment) 101 pages

14 March-15 June 1979

J. Weber (DEMR Ottawa)

Arctic Ocean near North Pole

Nature and origin of Lomonosov Ridge (geophysics)

Main camp and two satellite camps on drifting pack ice

**DRAWER 7**

Cobequid Bay 1976 (AGC) 4 pages

Intertidal sediment transport studies

Cobequid Bay 1977 (AGC) 10 pages

Intertidal sediment transport studies

Miramichi 1977 (AOL) 13 pages

Labrador 1979 (CHS) 10 pages

Pecks Cove, Cumberland Basin 1980 (MEL) 7 pages

Resolute ~1985 (MEL) 3 pages

Sydney tar ponds May 77 1 page

Sydney tar ponds July 87 and Oct 88 (MEL/AOL) 5 pages

Minas Basin 1990 (BSB) 2 pages

ADFEX 1991 (AGC) 15 pages

Underwater explosion experiment

**DRAWER 8**

**Ships**

Acadia 5 pages

Maxwell 1 page

Baffin 3 pages

Hudson 9 pages

Prince 1 page

Navicula 1 page

Sigma t 1 page

Dawson 3 pages

Needler 2 pages

Matthew 3 page

Early sweep vessel 3 pages

Smith 7 pages

Creed 7 pages

Parizeau 1 page

Launches 2 pages

Hart 1 page

Berubé 1 page

Cygnus 1 page

Martha Black 1 page

Chebucto 1 page

Louisbourg 1 page

Louis St. Laurent 1 page

Edward Cornwallis 1 page

Port Bickerton 1 page

Other CCG vessels 1 page

Alert 1 page

North Bar 1 page

Visiting ships to BIO 2 pages

Miscellaneous ships 7 pages

**Helicopters**

2 pages

**Oil Rigs**

2 pages

**Shipwrecks**

1 page

**Equipment**

Miscellaneous 25 pages

Nikon F45 system 1 page

Radio-controlled launch 1 page

EMS 6 pages

GPS Man Pack 1 page

Mixed Layer Dissipation 1 page

EM3000 2 pages

Smart Trap 2 pages

Portable Arctic Winch 1 page

Batfish 2 pages

Dolphin 12 pages

Videograb 2 pages

BRUTIV 1 page

BOSS 1 page

**DRAWER 9**

**BIO**

Buildings 21 pages

People 35 pages

Fisheries Officer Training 9 pages

**DRAWER 10**

**Marine Organisms**

General 4 pages

Zooplankton 1 page

Benthos (including corals) 8 pages

Fish 23 pages

Mammals 4 pages

Seabirds 1 page

**Fisheries**

34 pages

**Aquaculture**

5 pages

**Pollution**

5 pages

**Underwater Photos**

2 pages

**DRAWER 11**

**Aerial Photos - Halifax**

8 pages

**Aerial Photos – NS, NB, PEI, NL**

36 pages

**Scenic Photos**

19 pages

**Ice**

2 pages

**Icebergs**

4 pages

**Lighthouses**

2 pages

**Places**

|Magdalen Islands, QC 1 page

Red Bay, NL 1 page

St. John’s, NL 1 page

Sable Island 35 pages

Brier Island 5 pages

St. Andrews 1 page

Lawrencetown 1 page

Kuwait Institute for Scientific Research (KISR) (Feb 1990) 2 pages

**DRAWER 12**

**Figures (maps, charts, posters, diagrams, etc.)**

23 pages

**Historical**

2 pages

**Coast Guard**

3 pages

**Boating Safety**

2 pages

**DREA Barge**

2 pages

**Tall Ships 2000**

5 pages