

Accession No.: 2003-43

PROCESSING RECORD
SCRIPPS INSTITUTION OF OCEANOGRAPHY ARCHIVES

North, Wheeler J. 1922-2002

Wheeler J. North Papers, 1953-2002

Physical Description: 17mss, 1/2mss, 1 shoe box, 25 oversize, 33,518 slides (b&w and color and infrared) (35 mm) in slide cabinet

Description: The accession includes manuscripts for scientific papers, research proposals, reports lists of slides for lectures, and other papers. The accession includes 24 boxes of pressed seaweed collected along the coast of the Pacific Ocean from California to Mexico by Wheeler J. North, together with his curatorial records on the collection. The pressed seaweed and slide series include particularly strong documentation of Diablo Canyon, La Jolla and Leucadia areas. The accession includes microscope slides of algae. The bulk of the accession consists of photographs taken or collected by Wheeler J. North. This includes some slides and films taken by Conrad Limbaugh. North's kelp aerial surveys collection of images, over 20,000 35mm aerial slides, covers a 28 year period, from September 1966 to 1994. These images primarily represent kelp canopies in southern California with greatest emphasis on kelp beds of San Diego and Orange counties. These images are accompanied by indexes and metadata with precise date and geographical locations. The accession also includes 35mm lecture slides, slides on specific subjects, and a collection of slides arranged chronologically. The accession includes photographic prints, negatives and transparencies, mounted color transparencies, lantern slides and several original films.

Diving; Marine biology California; Giant kelp; Marine algae California; Marine ecology California; Kelp bed ecology California; Limbaugh, Conrad

Wheeler J. North Papers, 1953-2002
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Box Folder Title

Papers Series

- 1 Liferaft, Avon (n.d.)
- LCM6 Information (n.d.)
- Publications (n.d.)
- Flow Rate Requirements for the Hemi dome (n.d.)
- Proposal Substitute Studies Leucadia Kelp Bed, 1978-1980
- Aquil System at Kerckhoff Marine Laboratory, August 1978
- Navigation (Boats), Private Aids to Applications, blank and completed forms, September 13, 1978
- Honolulu Symposium, April 2-6 1979. Possibilities of Marine Biomass Production as an alternate energy source
- Gerard, Valrie: Results of Kelp Population Studies on the Test Farm, May 1979
- Results of Growth Measurements and Related Studies on the Test Farm, May-July 1979, Valrie Gerard
- DOE Proposal July 30, 1979; Additional justification
- Recent Research on Biomass Production by Freshwater & Marine Macrophytes, ACS Symposium Series, September 20, 1979; Wheeler North, Valrie Gerard, Jim Kuwabara
- UNITAR Conference, Montreal, November 1979, Marine Macroscopic Plants as Biomass Sources; Revised April 3, 1980, Biomass from Marine Macroscopic Plants; submitted to Solar Age
- DOE Proposal 1979-80
- General Electric Quarterly Reports for January-March 1980 (original & revised)
- Manley-North Southern California Edison Company, March 1980 Research Proposal

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Papers Series (continued)

- 1 General Electric Quarterly Reports for April-June 1980, July- September 1980

Bio-Energy Symposium, Atlanta, April 1980, "Kelp Growth Experiments"

Wheeler North, Valrie Gerard, Kim Kuwabara May 1980; Farming *Macrocystis* at Coastal & Oceanic sites

Wheeler North, Valrie Gerard, Jim Kuwabara May 1980, Farming *Macrocystis* at Coastal & Oceanic Sites. Revised June 1980; Bamfield, Vancouver Islands. In *Synthetic & Degradation Processes in Marine Macrophytes* (1982); Editor L.M. Srivastava, Walter de Gruyter, Berlin, 247-264

Golden Colorado, June 1979 (SERI) Biological Investigations of Marine Forms after Biomass Productions
- 2 Enhancement and Rehabilitation of Kelp Beds, Vancouver, July 1980, Wheeler North

Sweden, 10th International Seaweed Symposium, Kelp Growth On An Ocean Farm in Relation to Fertilizing, Valrie Gerard & Wheeler North, August 1980

Sweden, 10th International Seaweed Symposium, Micronutrient Uptake by Juvenile *Macrocystis pyrifera* (L.) S. Manley & Wheeler North, August 1980. 10th International Seaweed Symposium Proceedings, Editor Tore Levring

Sweden 10th International Seaweed Symposium, Experimental Fertilizing of Coastal *Macrocystis* Beds; Wheeler North, Valrie Gerard, R. McPeak, August 1980. 10th International Seaweed Symposium Proceedings, Editor Tore Levring: 10, 613-618

Kuwabara, Jim-borrowed culturing equipment, August 1980-September 1981

Proposal to General Electric Company Yield & Biological Studies, September 1980

Gerard, Valrie A. Nitrogen Budget Experiment, September 1980

Species List, Test Farm, September 8, 1980; K. Rossberg

General Electric Monthly Reports for January, February, April, May, July, August, October, November, December 1980

Buoyancy & Drag of *Macrocystis*; Valrie Gerard, R. Berthold, J. Monical, T. Stephan (V.6-original), December 1980

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Papers Series (continued)

- 2 Gerard: Kelp Farm Project-Biological Information & Research, 1981-ETF
- 1981 Proposal for Kelp Yield Experiments at the USC Marine Science Center-Catalina Island
- General Electric Monthly Reports for January, February, March, April, May, June 1981
- Publications, Marine Biomass Program, since January 1981
- Manley, Steven; Iron Uptake & Translocation by *Macrocystis pyrifera*, submitted to *Plant Physiology*, February 19, 1981, revised April 24, 1981; *Plant Physiology* (1981) V. 68, 914-918
- Hemidome, Field Activities Chart (blank) March 29, 1981
- Proposal, April 1981, General Electric, Kelp Study-Catalina Island
- Biomass Production in Oceanic Settings-A Progress Report, Wheeler North, June 1981; Marine Technology Society, Washington D.C.
- General Electric Monthly Report for July 1981
- General Electric Monthly Report for August, September, October 1981
- Gerard, Valrie. September 1981, Growth & Utilization of Internal Nitrogen Reserves by the Giant Kelp *Macrocystis pyrifera* in a low Nitrogen Environment; *Marine Biology* volume 66, 27-35 (Published 1982)
- Environmental Considerations Involved in Farming *Macrocystis*; S. Manley, Valrie Gerard, L. Anderson, Jim Kuwabara & Wheeler North, September 1981
- Gerard, Valrie. November 1981, In Situ Rates of Nitrate Uptake by Giant Kelp (*Macrocystis pyrifera* (L.) C. Agardh): Tissue Differences, Environmental Effects & Predictions of Nitrogen-Limited Growth (*Journal Experimental Marine Biology Ecology*, 1982, volume 62 pp. 211-224)
- General Electric Monthly Report for November 1981, January 1982
- X-Ray Fluorescence Analyses 1982
- 3 Hemidome Flow Studies, Discharge Dye Studies-Valrie A. Gerard (February 23 & 24 in February 1982, General Electric Progress Report)

Box Folder Title

Papers Series (continued)

3 General Electric Monthly Report for February, March, April 1982

A re-examination of the "Composition of Sieve Tube Sap from *Macrocystis pyrifera* (Phaeophyta)," Manley, Steven (submission to *Journal of Phycology*, April 1982 (rejected June 1982, accepted October 1982) *Journal of Phycology* volume 19, 119-121 (1983)

Gerard, Valrie A., Publications with K. Mann, Curriculum Vitae, Lyrics, April 1982

Hemidome Information, Test Farm dates, April 27, 1982

General Electric Monthly Report for May, June 1982

Nitrate DT Experiment Table, May 10, 1982

Kuwabara, James S.; Micronutrients & kelp cultures: Evidence for cobalt and manganese deficiency in Southern California deep seawater; *Science* June 11, 1982, Volume 216, pp. 1219-1221

General Electric Monthly Report for July, 1982

Proposal, Kelco Company, Kelp Growth & Nutrition Studies, August 1982, Wheeler North & Valrie Gerard

General Electric Monthly Report for August, September 1982

General Electric Monthly Report for October, November 1982

North, Wheeler J., Curriculum Vitae, November 1982

Hemidome Observations November 9, 12, 15, 23, 29; December 6 1982

Gerard, Valrie, et al., November 1982, Effects of harvesting on growth of giant kelp, *Macrocystis pyrifera* (Phaeophyta; Laminariales sulum. *Phycologia*)

Physiological Bases of Kelp Growth; Manley, Steven; SCCWRP, January 1983, Revised March 1983 & September 1983

Carbon Allocation in *Macrocystis*: I. Intrinsic Metabolic Variability, Arnold, Keith E. & Manley, Steven L., February 1983

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Papers Series (continued)

- 3 Gerard, Valrie-April 1983, Ecological Observations on a Unique, Branching Form of *Macrocystis pyrifera* (L.) C. Agardh in New Zealand (submitted to *Botanica Marina*, April 1983)

China 11th International Seaweed Symposium, Influences of Macronutrients and Water Temperatures on Summertime Survival of *Macrocystis* canopies, Wheeler North & R.C. Zimmerman, June 1983

China 11th International Seaweed Symposium, Measuring growth, production, and yield of the giant kelp, *Macrocystis pyrifera*, Valrie A. Gerard & Wheeler North; June 1983

Culturing and Utilization of Large Brown Seaweed (kelps), Wheeler North, *Oceans* 1983, August 1983

Carbon allocation in *Macrocystis pyrifera* (L.) C. Ag. I. Intrinsic Variability in Photosynthesis and Respiration; Arnold, Keith and Manley, Steven, September 1983-Submission with Proposal; Submission November 1983-Revision to *Journal of Phycology*

- 4 Quarterly Progress Report, July 1-September 30, 1976, Marine Farm Project

Quarterly Progress Report, July 1-September 30, 1976, Marine Farm Project

Quarterly Progress Report, July 1-September 30, 1976, Marine Farm Project

Quarterly Progress Report, July 1-September 30, 1976, Marine Farm Project

Virginia Symposium, June 1978. 1st Revision, 2nd Revision-Trace Metals in Giant kelp, *Macrocystis*, *American Journal of Botanicals*, April 1980

Rensselaer Symposium, June, 1978; Progress in Studies of Oceanic Production of Biomass

Munich Symposium, August 1978-Adverse Factors Affecting Giant Kelp & Associated Seaweeds

“A General Description of *Macrocystis*” *Handbook of Solar Resources*, October 22, 1978

Santiago Symposium, November 1978, Evaluation, Management, and Cultivation of *Macrocystis* Kelp forests

“The Giant Kelp, *Macrocystis*: A Potential Producer of Biomass for Energy”-*Biosources Digest*, March 1979

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Papers Series (continued)

- 4 San Diego Symposium March 1979. Experimental Cultivation of Giant Kelp in Oceanic Environments
- Micronutrient Uptake & Translocation by *Macrocystis pyrifera* (Phaeophyta) (Submitted to Journal of Phycology, October 1981) (resubmitted March 1982, April 1983) (Accepted July 1983)
- Marine Farming the Coastal Zone: Chemical & Hydrographic Considerations; Barcelona, Cummings, Lieberman, Fastenau & Wheeler North; February 1982, California Cooperative Fisheries Investigation
- The Sea Urchin Problem; A Need for Separating the Effects of Temperature and Nutrients- North, Wheeler, SCCWRP, January 1983, revised March 1983 and September 1983
- Mooring-Catalina, May 4, 1983
- General Electric Monthly Report for January, February, March, April, May, June 1983
- 5 Radio Station License & Application, September 1, 1983
- General Electric Monthly Report for July, August, September, October, November 1983
- An Ecological study of the kelp beds in the vicinity of Canyon de las Encinas, San Diego County. Final report, standard agreement 12-12, [between the State Water Quality Control Board and Wheeler J. North]. 15 March 1963
- An ecological study of the kelp beds in the vicinity of San Elijo Lagoon, San Diego County : final report for Standard Agreement 12-1 between the State Water Quality Control Board and Wheeler J. North. 15 May, 1964
- An ecological study of the kelp beds in the vicinity of Canyon de las Encinas, San Diego County : final report, standard agreement 12-7, [between the State Water Quality Control Board and Wheeler J. North]. 31 August 1967
- The kelp beds of San Diego and Orange counties. Wheeler J. North. March 15, 1991. Supported by Aliso Water Management Agency"
- 5 **Wheeler North Genera Index** [Index cards of various Genera]

Box Folder Title

Specimens Series

6 Specimen Boxes 1-3: Subject: June 16, 1964, Mussel Point with Beach Rocky Intertidal (3 boxes)

Specimen Box 4: Subject: June 25, 1964, Stillwater Cove

Specimen Boxes 5-6: Subject: June 29, 1964, Corona Del Mar, South Arch Rock (2 boxes)

Specimen Boxes 7-9: Subject: June 30, 1964, Whites Point, Rocky Intertidal (3 boxes)

7 Specimen Boxes 10-11: Subject: July 9 Pescadero Point, Rocky Intertidal (2 boxes)

Specimen Box 12: Subject: July 11 1964, Carmel Point, Rocky Intertidal

Specimen Box 13: Subject: July 12, 1964 Coll. Hollen-1 mile No Little San River

Specimen Box 14: Subject: July 20, 1964, La Jolla

Specimen Box 15: Subject: Acetabularia penicillium, Bimini December 1975

Specimens - algae Series

3 Subject: Alariaceae alaria marginata

Subject: Alariaceae egregia laevigata

Subject: Alariaceae egregia menziesii

Subject: Alariaceae eisenia arborea

Subject: Alariaceae pterogophora Californica

Subject: Anacapa Island

Subject: Avila cryptopleura violacea

4 Subject: Bangiaceae porphyra lanceolata

Subject: Bangiaceae porphyra perforata

Subject: Bangiaceae porphyra pulchra

Box Folder Title

Specimens - algae Series (continued)

- 4 Subject: Bangiaceae porphyra sp.
- Subject: Bangiaceae porphyrella gardneri
- Subject: Barn Kelp
- Subject: Bendix Reef
- Subject: Bering Sea Kelp
- Subject: Bodega Bay kelp
- Subject: Bryopsidaceae bryopsis corticulans
- Subject: Bonnemaisoniaceae bonnemaisonia geniculata
- Subject: Bonnemaisoniaceae bonnemaisonia nootkana
- Subject: Carmel submarine canyon
- Subject: Ceramiaceae antithamnion sp.
- Subject: Ceramiaceae callithamnion pikeanum
- Subject: Ceramiaceae centroceras clavulatum
- Subject: Ceramiaceae ceramium eatonianum
- Subject: Ceramiaceae griffithsia pacifica kylin
- Subject: Ceramiaceae microcladia borealis
- Subject: Ceramiaceae microcladia californica
- Subject: Ceramiaceae microcladia coulteri
- Subject: Ceramiaceae platyhamnion pectinatum
- Subject: Ceramiaceae pleonosporum dasyoides
- Subject: Ceramiaceae ptilota densa

Box Folder Title

Specimens - algae Series (continued)

- 4 Subject: Ceramiaceae ptilota filicina
- Subject: Ceramiaceae spermothamnion snyderae
- Subject: Chaetangiaceae gloiophloea confusa
- Subject: Chaetiangeae sp.
- 5 Subject: Cladophoraceae cladophora graminii
- Subject: Cladophoraceae cladophora graminea Collins
- Subject: Cladophoraceae cladophora trichotoma
- Subject: Cladophoraceae chaetomorpha aerea
- Subject: Cladophoraceae spongomorpha coalita
- Subject: Codiaceae codium cuneatum
- Subject: Codiaceae codium fragile
- Subject: Codiaceae codium setchellii
- Subject: Codiaceae codium setchellii Gardner
- Subject: Codiaceae codium sp.
- Subject: Corallinaceae bossiella sp.
- Subject: Corallinaceae coralline
- Subject: Corallinaceae coralline gracilis
- Subject: Corallinaceae corallina officinalis linnaeus
- Subject: Coralliniaceae lithothrix aspergillum
- Subject: Coralliniaceae melobesia mediocris
- Subject: Corona Del Mar

Box Folder Title

Specimens - algae Series (continued)

- 5 Subject: Cornyophloeaceae leathesia difformis
Subject: Cornyophloeaceae leathesia nana
Subject: Cornyophloeaceae petrospongium rugosum
- 6 Subject: Cryptonemiaceae cryptonemia obovata
Subject: Cryptonemiaceae cryptonemia sp.
Subject: Cryptonemiaceae grateloupia schizophylla
Subject: Cryptonemiaceae grateloupia sp.
Subject: Cryptonemiaceae halymenia schizymenioides
Subject: Cryptonemiaceae halymenia coccinea
Subject: Cryptonemiaceae halymenia sp.
Subject: Cryptonemiaceae prionitis andersonii
Subject: Cryptonemiaceae prionitis australis
Subject: Cryptonemiaceae prionitis cornea
Subject: Cryptonemiaceae prionitis lanceolata
Subject: Cryptonemiaceae prionitis linearis
Subject: Dasyaceae dasya pedicellata
Subject: Dasyaceae rhodoptilum densum
Subject: Davenport
- 7 Subject: Delesseriaceae botryoglossum
Subject: Delesseriaceae acrosorium uncinatum
Subject: Delesseriaceae cryptopleura sp.

Box Folder Title

Specimens - algae Series (continued)

- 7 Subject: Delesseriaceae cryptopleura violacea
Subject: Delesseriaceae delesseria decipiens
Subject: Delesseriaceae desselaria sp.
Subject: Delesseriaceae hymenena
Subject: Delesseriaceae hymenena multiloba
Subject: Delesseriaceae membranoptera sp.
Subject: Delesseriaceae nienburgia andersoniana
Subject: Delesseriaceae nitophyllum northii
Subject: Delesseriaceae phycodrys setchellii
Subject: Delesseriaceae polyneura latissima
Subject: Delesseriaceae polyneura sp.
Subject: Derbesiaceae derbesia marina
Subject: Desmarestiaceae desmarestia herbacea
Subject: Desmarestiaceae desmarestia latifrons
Subject: Desmarestiaceae desmarestia linearis
Subject: Desmarestiaceae desmarestia munda
Subject: Desmarestiaceae desmarestia sp.
Subject: Desmarestiaceae desmarestia tabacoides
Subject: Desmarestiaceae desmarestia veridis
- 8 Subject: Diablo Bay
- 9 Subject: Dictosiphonaceae coilodesme californica

Box Folder Title

Specimens - algae Series (continued)

- 9 Subject: Dictosiphonaceae coilodesme crassa
Subject: Dictyotaceae dictyota binghamii
Subject: Dictyotaceae dictyota flabellate
Subject: Dictyotaceae dictyota sp.
Subject: Dictyotaceae dictyopertis sp.
Subject: Dictyotaceae dictyopertis zonariodes
Subject: Dictyotaceae dictyopertis
Subject: Dictyotaceae pachydictyon coriaceum
Subject: Dictyotaceae padina sp.
Subject: Dictyotaceae taonia lennebackerae
Subject: Dictyotaceae zonaria farlowii
Subject: Dumontiaceae cryptosiphonia woodii
Subject: Dumontiaceae farlowia crassa
Subject: Dumontiaceae leptocladia binghamii
Subject: Dumontiaceae pikea californica
Subject: Dumontiaceae pikea pinnata
Subject: Dumontiaceae weeksia reticulata
Subject: Ectocarpaceae ectocarpus granulosoides
- 10 Subject: Encoeliaceae endurachne sp.
Subject: Endocladiaceae endocladia muricata
Subject: Erythropeltidaceae smithora naiadum

Box Folder Title

Specimens - algae Series (continued)

- 10 Subject: Fucaceae fucus fuccatus
- Subject: Fucaceae hesperophycus harveyanus
- Subject: Fucaceae pelvetia fastigiata
- Subject: Fucaceae pelvetiopsis limitata
- Subject: Gelidiaceae gelidium cartilagineum
- Subject: Gelidiaceae gelidium coulteri
- Subject: Gelidiaceae gelidium nudifrons
- Subject: Gelidiaceae gelidium pusillum
- Subject: Gelidiaceae gelidium sp.
- Subject: Gelidiaceae pterocladia sp.
- 11 Subject: Gigartinaceae gigartina agardhii
- Subject: Gigartinaceae gigartina californica
- Subject: Gigartinaceae gigartina caripubika
- Subject: Gigartinaceae gigartina corymbifera
- Subject: Gigartinaceae gigartina harveyana
- Subject: Gigartinaceae gigartina canaliculata
- Subject: Gigartinaceae gigartina leptorhyachos
- Subject: Gigartinaceae gigartina papillata
- Subject: Gigartinaceae gigartina serrata
- Subject: Gigartinaceae gigartina spinosa
- Subject: Gigartinaceae gigartina volans

Box Folder Title

Specimens - algae Series (continued)

- 11 Subject: Gigartinaceae iridophycus flaccidum
Subject: Gigartinaceae iridophycus lineare
Subject: Gigartinaceae rhodoglossum affine
Subject: Gracilarieaeae gracilariopsis sjoestedii
Subject: Grateloupiaceae
Subject: Half Moon Bay
Subject: Heterochordariaceae heterochordaria abietina
- 12 Subject: Imperial Beach
Subject: Kallymeniaceae callocolax neglectus
Subject: Kallymeniaceae callopyllis firma
Subject: Kallymeniaceae callopyllis flabellulata
Subject: Kallymeniaceae callopyllis obtusifolia
Subject: Kallymeniaceae callopyllis pinnata
Subject: Kallymeniaceae callopyllis sp.
Subject: Kallymeniaceae callopyllis violacea
Subject: Kallymeniaceae erythrophyllum delesserioides
Subject: Kallymeniaceae kallymenia pacifica
Subject: Kibesillah
Subject: Laminariaceae agarum fimbriatum
Subject: Laminariaceae costaria costata
Subject: Laminariaceae laminaria andersonii

Box Folder Title

Specimens - algae Series (continued)

- 13 Subject: Laminariaceae laminaria sinclairii
- Subject: Laguna Beach
- Subject: La Jolla Cove
- Subject: Lessoniaceae dictyoneuropsis
- Subject: Lessoniaceae dictyoneurum
- Subject: Lessoniaceae lessoniopsis littoralis
- Subject: Lessoniaceae macrocystis angustifolia
- Subject: Lessoniaceae macrocystis integrifolia
- Subject: Lessoniaceae macrocystis pyrifera
- Subject: Lessoniaceae macrocystis sp.
- Subject: Lessoniaceae nereocystis leutkeana
- Subject: Lessoniaceae pelagophycus porra
- Subject: Lessoniaceae postelsia palmaeformis
- Subject: North Leucadia
- Subject: Little Sur River
- 14 Subject: Lomentariaceae coeloseira compressa
- Subject: Lomentariaceae gastroclonium coulteri
- Subject: Los Angeles Bay-Corona Dito
- Subject: Los Angeles Bay-Marine Station
- Subject: Los Angeles Bay-Mud Flat

Box Folder Title

Specimens - algae Series (continued)

- 14 Subject: Los Angeles Bay-Punta Gringa
Subject: Los Angeles Bay-Punta Mona
- 15 Subject: *Macrocystis pyrifera*
- 16 Subject: Morro Rock
Subject: *Nemalionaceae cumagloia andersonii*
Subject: *Nemalionaceae nemalion elminthoides*
Subject: *Nemastomaceae schizymenia dawsonii*
Subject: *Nemastomaceae schizymenia pacifica*
Subject: *Nemastomaceae schizymenia sp.*
Subject: Nutt plants
- 17 Subject: Papalote Bay
Subject: *Phylloporaceae ahnfeltia plicata*
Subject: *Phylloporaceae gymnogongrus leptophyllus*
Subject: *Phylloporaceae gymnogongrus linearis*
Subject: *Phylloporaceae gymnogongrus platyphyllus*
Subject: *Phylloporaceae phyllophora clevelandii*
Subject: *Phylloporaceae stennogramme interrupta*
Subject: *Plocamiaceae plocamium cartilagenium*
Subject: *Plocamiaceae plocamium violaceum*
Subject: Point Conception
Subject: Point Loma

Box Folder Title

Specimens - algae Series (continued)

- 18 Subject: Punctariaceae colpomenia peregrina
- Subject: Punctariaceae colpomenia sinuosa
- Subject: Punta banda
- Subject: Punto estero
- Subject: Rhodomelaceae laurencia sp.
- Subject: Rhodomelaceae laurencia spectabilis
- Subject: Rhodomelaceae laurencia splendens
- Subject: Rhodomelaceae erythrocytis saccata
- Subject: Rhodomelaceae odonthalia floccose
- Subject: Rhodomelaceae odonthalia washingtoniense
- Subject: Rhodomelaceae polysiphonia brodeii
- Subject: Rhodomelaceae polysiphonia californica
- Subject: Rhodomelaceae polysiphonia mollis
- Subject: Rhodomelaceae polysiphonia pacifica
- Subject: Rhodomelaceae polysiphonia paniculata
- Subject: Rhodomelaceae pterosiphonia baileyi
- Subject: Rhodomelaceae pterosiphonia debdroidea
- Subject: Rhodomelaceae pterycondria woodii
- Subject: Rhodymeniaceae botryocladia neushulii
- Subject: Rhodymeniaceae botryocladia psuedodichotoma
- Subject: Rhodymeniaceae halosaccion glandiforme

Box Folder Title

Specimens - algae Series (continued)

- 18 Subject: Rhodymeniaceae fryeella gardneri
Subject: Rhodymeniaceae fryeella sp.
Subject: Rhodymeniaceae rhodymenia arborescens
Subject: Rhodymeniaceae rhodymenia attenuata
Subject: Rhodymeniaceae rhodymenia californica
Subject: Rhodymeniaceae rhodymenia lobata
Subject: Rhodymeniaceae rhodymenia palmata
Subject: Saint George Reef
Subject: Salt Point
- 19 Subject: San Clemente Island
Subject: San Diego Bay
Subject: San Mateo Point
Subject: San Onofre
Subject: Santa Catalina Island
Subject: Santa Cruz Island
- 20 Subject: Santo Tomas
Subject: Sargassaceae cystoseira osmundaceae
Subject: Sargassaceae cystoseira sp.
Subject: Sargassaceae sargassum agardhianum
Subject: Sargassaceae sargassum palmeri
- 21 Subject: Scytosiphonaceae scytosiphon lomentaria

Box Folder Title

Specimens - algae Series (continued)

- 21 Subject: Solieriaceae agardhiella tenera
 Subject: Solieriaceae opuntiella californica
- 22 Subject: Tampico-1964
- 23 Subject: Tampico-1973
 Subject: Tampico-1975
 Subject: Tampico-1980
 Subject: Tampico Wreck, 1967
 Subject: Tampico Wreck, 1968
- 24 Subject: Todos Santos Bay
 Subject: Trinidad Bay
 Subject: Turtle Bay
 Subject: Ulvaceae enteromorpha intestinalis
 Subject: Ulvaceae enteromorpha tubulosa
 Subject: Ulvaceae ulva angusta
 Subject: Ulvaceae ulva lobata
 Subject: Ulvaceae ulva taeniata
- 25 Subject: Van Damme State Park
 Subject: White's Point

Box Folder Title

Photographic Prints Series

- 32 Wheeler North Photographs, Photographic Prints, n.d.
- Photographic Prints: n.d.
- Photographic Prints, Carbon Dioxide Hydrate, n.d.
- Photographic Prints: People, n.d.
- Photographic Prints: Pt. Loma Kelp Infrareads, n.d., 5x12 Blow ups
- Wheeler North Photographs, Proof Sheets, n.d.
- Wheeler North Photographs, Prob Whistler Reef, x plants, juv plants, undernet, n.d.
- Photographic Prints: S. La Jolla, n.d.
- Photographic Prints, Stephan, n.d.
- Photographic Prints, [Wheeler North in China, n.d.]
- Photographic Prints: Kelco Photos, Sok-Sruk, 1950 and 1953
- Photographic Prints: December 13, 1961, Lots Pt.
- Photographic Prints: BR65, Sept. 1961
- Photographic Negatives: BR65, Sept. 1961
- Photographic Prints, BR 65 October 1961, TB and Supp. HF
- Photographic Prints, M2 Collections at W25 and Egriger, Nov. 17, 1961
- Photographic Prints, Summer Canyon, December 1961
- Photographic Prints, North Branch [Scripps Canyon] Vic Vaq[uiet], Dec. 1961
- Photographic Prints, 30' December 1961
- Photographic Prints: Whites Point, December 31, 1961
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp [Time Lapse]

Box Folder Title

Photographic Prints Series (continued)

- 32 Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] n.d., no place
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] n.d., no place
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, KHIP Annual Report
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Papalote Bay, Shallow Sta., n.d.
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Table of Contents
- Photographic Prints: La Jolla Caves, January 6, 1962
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, La Jolla, Imperial Beach, Point Loma, 1963
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma, 1963
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, La Jolla Poisoning Cod Hole, August 29, 1963
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, Aug. 30, 1963
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma, August 31, 1963
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, October 29, 1963
- Wheeler North Photographs, Urchins on Cobbles, Pt. Loma B-C, Summer 1964?
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, October 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma Sta. E and C, November 7, 1964

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Photographic Prints Series (continued)

- 32 Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Poisoning, Imperial Beach, November 10, 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Poisoning, Imperial Beach, November 24, 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, La Jolla B and D, December 1, 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma Sta.1, Sta. E, December 15, 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, [Point Loma?], Stations B-C, C and D, December 19, 1964
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, La Jolla South Beach, January 27, 1965, Ropes, Urchins by E.K. Anderson
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Corona del Mar, Rope Cultures, February 1, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Pt. Loma B-C, Poison, February 3, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Ropes at La Jolla, February 10, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Pt. Loma, February 17, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, February 17, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma AA, Pt.. Loma E, February 20, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Point Loma B-C, February 20, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma B-C, February 20, 1965

Box Folder Title

Photographic Prints Series (continued)

- 32 Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, San Onofre Early Spring 1965, March 10, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, April 7, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, July 28, 1965
- Wheeler North's pics 1962-1965, B&W Proof Sheets, Kelp, Imperial Beach transplant results, Jan 26, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Point Loma 30-35, February 14, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma Station C, Depth 35, February 19, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach and Point Loma 40C, February 28, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma LJ A35, March 30, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Point Loma B-C, Point Loma C40, April 6, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, April 20, 1966
- 33 Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Pt. La Jolla A35, Point Loma B-C, April 26, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] La Jolla Sub[marine] Cany[on], [Cod Hole], Pt. La Jolla N of Sta. D. Sta A35, May 17, 1966
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Imperial Beach, March 7?, 1967
- Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Cdle, June 1967

Box Folder Title

Photographic Prints Series (continued)

- 33 Wheeler North's pics 1962-1965, B&W Proof Sheets [and negatives] Kelp, Peg. Reef, KML Pier, June 20, 1967
- KHIP Photos, 1966-1967
- KHIP Photos, 1966-1967, Newport Beach, Obliques
- KHIP Photos, 1966-1967, Imperial Beach, [Kelp], Harvester with line, November 10, 1964, Point Loma D collecting x-plants, December 8, 1964
- KHIP Photos, 1966-1967, Point Loma B-C, January 6, 1965
- KHIP Photos, 1966-1967, Imperial Beach, Point Loma B-C, March 3, 1965
- KHIP Photos, 1966-1967, Newport Bay, TB Plants, April 17, 1966
- KHIP Photos, 1966-1967, PR July 6, 1967
- KHIP Photos, 1966-1967, Ab[alone] Cove, July 7, 1967
- KHIP Photos, 1966-1967, S. Point Loma, April 15, 1968
- KHIP Photos, 1966-1967, Pt. La Jolla and Pt. Loma, June 28, 1966
- KHIP Photos, 1966-1967, Imperial Beach, July 6, 1966
- KHIP Photos, 1966-1967, PR 40, August 10, 1966
- KHIP Photos, 1966-1967, Imperial Beach, August 25, 1966
- KHIP Photos, 1966-1967, Imperial Beach, Pt. Loma D-E, Ca. October 15, 1966
- KHIP Photos, 1966-1967, Imperial Beach, January 4, 1967
- KHIP Photos, 1966-1967, La Jolla, A45, February 27, 1967, Growth Study Site and BR Central
- KHIP Photos, 1966-1967, Pt. Loma B-C, Pt. Loma, March 7, 1967, EKA Deep Sta.
- KHIP Photos, 1966-1967, KML

Box Folder Title

Photographic Prints Series (continued)

- 33 KHIP Photos, 1966-1967, PR June 2, 1967, KML
- KHIP Photos, 1966-1967, KML, June 1967
- KHIP Photos, 1966-1967, PR, KML, Imperial Beach, June 1967
- KHIP Photos, 1966-1967, Ab[alone] Cove, June 14, 1967
- KHIP Photos, 1966-1967, Ab[alone] Cove, June 22, 1967
- KHIP Photos, 1966-1967, Ab[alone] Cove, June 30, 1967
- KHIP Photos, 1966-1967, KML and PR, July 13, 1967
- KHIP Photos, 1966-1967, Ship Rock, December 13, 1975
- Wheeler North Photographs, Sporphyll plant, basal dichot, holdfast only, S. Pt. Loma near out fall, April 15, 1968
- Photographic Prints, Elba Smith, 1968-1978
- Photographic Prints: White's Point, 1972-1973
- Photographic Prints: 1972-1974
- Photographic Prints: Abalone Cove, 1972
- Photographic Prints, Laguna Niguel to Corona del Mar, December 9, 1972
- Photographic Prints, San Onofre, Laguna – Corona del Mar December 2 – December 9, 1972
- Photographic Prints, Aerials of Outfalls, December 26, 1972
- Photographic Prints: Outfalls, December 30, 1972
- Photographic Prints: 1973
- Photographic Prints: Songs 1973-1974
- Photographic Prints, Laguna Outfall to Newport IR 5000', January 6, 1973

Box Folder Title

Photographic Prints Series (continued)

33 Photographic Prints, Palos Verdes, January 6, 1973, May 27, 1973, June 16, 1973

Photographic Prints: January 20, 1973

Photographic Prints, Corona del Mar Coast, IR no filter, January 20, 1973

Photographic Prints, Whirlpool San Onofre, January 22, 1973

Photographic Prints, S. Laguna, Dana Point, January 24, 1973

Photographic Prints: New Kelp Bed, January 27, 1973

Photographic Prints: January 28, 1973

Photographic Prints: February 8, 1973

Photographic Prints, Corona del Mar – PP, March 3, 1973

Photographic Prints: La Jolla, March 15, 1973

Photographic Prints, May 26, 1973

Photographic Prints: March 31, 1973

Photographic Prints: April 30, 1973

34 Photographic Prints: 1974

Photographic Prints: February 18, 1974

Photographic Prints: July 19, 1973

Photographic Prints: San Clemente, August 19, 1973

Photographic Prints: Songs and Dana Point, September 1, 1973

Photographic Prints: Songs, September 16, 26, 1973

Photographic Prints: October 8, 1973

Photographic Prints: October 26, 1973

Box Folder Title

Photographic Prints Series (continued)

- 34 Photographic Prints: Songs, November 23, 1973
- Photographic Prints: 1974
- Photographic Prints: N. La Jolla, January 24, 1974
- Photographic Prints: San Mateo Pt., January 24, 1974
- Photographic Prints, Ensina Series, February 18, 1974
- Photographic Prints: Encinitas, March 28, 1974
- Photographic Prints: March 31, 1974
- Photographic Prints: Encinitas, April 27, 1974
- Photographic Prints: May 17, 1974
- Photographic Prints: June 8, 1974
- Photographic Prints, Prints of Farm, July 18, 1974
- Photographic Prints: July 21, 1974
- Photographic Prints: August 10, 1974
- Photographic Prints: September 2, 1974
- Photographic Prints: Pelican Point, November 12, 1974
- Photographic Prints: Pelican Point, November 12, 1974, December 14, 1974
- Photographic Prints: 1975
- Photographic Prints: PV Series, 1975
- Photographic Prints: February 20, 1975
- Photographic Prints: April 1975
- Photographic Prints:, Hunting Spp Crystal Cove Grid, June 27, 1975

Box Folder Title

Photographic Prints Series (continued)

- 34 Photographic Prints: [Divers] April 28, 1975
- Photographic Prints: Encina Coast, July 5, 1975
- Photographic Prints, PV Coast, [Abalone Cove], July 5, 1975
- Photographic Prints: 9/16/75, Song Region
- Photographic Prints: PV Series, 1976
- Photographic Prints: San Onofre Kelp Bed, May 8, 1976
- Photographic Prints: San Mateo Pt., May 8, 1976
- Photographic Prints, Cal Tech Wave Pump, November 4, 1976
- Photographic Prints, Catalina, c1977
- Photographic Prints, PV Series, 1977
- Photographic Prints: Dana Point, February 12, 1977
- Photographic Prints: Pt. Loma, 3/2/77, Excess IR Prints
- 35 Photographic Prints, San Onofre – San Mateo Pt. Dye Dispersals, July 26, 1977
- Photographic Prints, Pt. Loma, August 4, 1977
- Photographic Prints: 200' Sta. for Nutrient Water Samples, August 15, 1977, La Jolla Bearings
- Photographic Prints: Songs, November 29, 1977
- Photographic Prints, December 1977, Dye Drop
- Photographic Prints: PV Series, 1978
- Photographic Prints: Pt. Loma Kelp, 1978
- Photographic Prints, Corona del Mar Coast, January 1, 1978, IR

Box Folder Title

Photographic Prints Series (continued)

- 35 Photographic Prints, Corona del Mar Coastline, February 14, 1978
- Photographic Prints, 1978 Crystal Cove Fertilized C&M Coast, January 18, 1978, IR and Kodachrome
- Photographic Prints, Corona del Mar, Coast IR, January 28, 1978
- Photographic Prints: Corona del Mar to Laguna, February 4, 1978
- Photographic Prints: Corona del Mar Coast IR, February 4, 1978
- Photographic Prints, Corona del Mar Coastline IR, February 14, 1978
- Photographic Prints: April 5, 1978, Bearings Photos
- Photographic Prints, Pt. Loma, December 2, 1978
- Photographic Prints: San Clemente, December 2, 1978
- Photographic Prints: Test Farm, Early December 1978
- Photographic Prints: BD Songs Bearings, December 14, 1978
- Photographic Prints, Encinitas Power Plant, 1978-1979
- Photographic Prints, North Leucadia, 1978, 1979, 1980
- Photographic Prints: PV Series, 1979
- Photographic Prints, 1979-1980, Encinitas, Cardiff
- Photographic Prints: N. Leucadia, 1979-1980
- Photographic Prints, Cardiff and Leucadia, January 7, 1979
- Photographic Prints: Songs, January 7, 1979
- Photographic Prints, Blades from Encinitas and Leucadia, January 24, 1979, showing perforations
- Photographic Prints, Burned fronds, Leucadia, February 21, 1979

Box Folder Title

Photographic Prints Series (continued)

- 35 Photographic Prints: Encinitas State Beach, Leucadia, June 10, 1979
- Photographic Prints: Shoreline aerials, San Mateo Pt. Songs, Barn Kelp, December 30, 1979
- Photographic Prints: Pt. Loma Dye Dispersal, December 2, 1980
- Photographic Prints: Hemi dome Photos, 1982
- 36 Photographic Prints: Papalote House, 1982
- Photographic Prints: Songs Diffusion Bed, February 20, 1982
- Photographic Prints: Corona del Mar – SOK partial, 1983
- Photographic Prints, Corona del Mar – BK, 1983, Corona del Mar – SMP, 1984
- Photographic Prints: Branching TB Kelp, April 29, 1984
- Photographic Prints, Pt. Loma Station Bearings, 1985
- Photographic Prints, June 30, 1986, Laguna Beach
- Photographic Prints, So. Pt. Loma, July 7, 1986
- Photographic Prints: Sept. 2, 1988
- Photographic Prints, Kelly Station Long Beach, June 26, 1990
- Photographic Prints, Laguna Beach, September 21, 1990
- Photographic Prints, Newport Bay, September 25, 1990
- Photographic Prints, Fernando Alcazar and Crew, November 25, 1986
- Photographic Prints: Sta. E Bearings, June 28, 1990
- Photographic Prints: Sea Surface Shots of San Onofre Region, December 11, 1990
- Photographic Prints, Laguna Beach, October 4, 1991
- Photographic Prints, Dana Marina, 1992

Box Folder Title

Photographic Prints Series (continued)

36 Photographic Prints: July 13, 1992

Photographic Prints: May 13, 1993

Photographic Prints, Prints of TF by Val, Test Farm Structure at San Pedro and during Installation, 1994

Photographic Prints: Color Obliques [San Diego Coast] August 13, 1995

Photographic Prints, Point Loma, March 24, 1996

Photographic Prints: March 24, 1996, SMK and SOK return flight

Photographic Prints: [Wheeler J. North] Photos by Roma Davis, May 28, 1998

Photographic Negatives and Transparencies Series

36 Photographic Negatives, n.d.

Photographic Negatives, n.d.

Photographic Negatives, n.d., 10-19

Photographic Negatives, n.d. 20-29

Photographic Negatives, n.d. 30-39

Photographic Negatives, n.d. 40-49

Photographic Negatives, n.d. 50-59

Photographic Negatives, n.d. 60-69

Photographic Negatives, n.d. 70-79

Photographic Negatives, n.d. 80-89

Photographic Negatives, n.d. 90-99

Photographic Negatives, n.d. 110-119

Box Folder Title

Photographic Negatives and Transparencies Series (continued)

- 36 Photographic Negatives, n.d. 120-129
- Photographic Negatives, n.d. 130-139
- Photographic Negatives, n.d. 140-149
- Photographic Negatives, n.d.150-159
- Photographic Negatives, n.d. 160-169
- Photographic Negatives, n.d. 170-179
- Photographic Negatives, n.d. 180-189
- Photographic Negatives, n.d. 190-199
- Photographic Negatives, n.d. 200-209
- Photographic Negatives, n.d. 210-219
- Photographic Negatives: Color Transparencies, Underwater, n.d.
- 37 Photographic Negatives: n.d., Ditch and Recovery
- Photographic Negatives: n.d., Series Hunting and Spearing
- Photographic Negatives: n.d., Instruction
- Photographic Negatives: Telia Carmel Canyon, n.d.
- Photographic Negatives: Test Farm, n.d.
- Photographic Negatives, Topside, Leighton's Abalones, Papalote Inlet, Papalote Bay, Sea Urchins, n.d.
- Photographic Negatives, Kelp Gams, n.d.
- Photographic Negatives: Kelco Shots, San Onofre Beds, 1950 and 1953
- Photographic Negatives: Turtle Bay Seaweeds, March 1961

Box Folder Title

Photographic Negatives and Transparencies Series (continued)

- 37 Photographic Negatives, [Kelp] Catalina Island, April 6, 1961
- Photographic Negatives, BR2 35, May 21, 1961, Winder Library Canopy
- Photographic Negatives: Coral Forest North Branch, May 23, 1961
- Photographic Negatives, BR65, May 22, 1961, Suspended plants TB Transplants
- Photographic Negatives, Suspended Holdfasts, Rock Pile fauna, etc. BR65, May 29, 1961
- Photographic Negatives, BR65, May 31, 1961
- Photographic Negatives: Cove E or Punta Bauda, June 1961
- Photographic Negatives, Tip of Pta. Banda, 75', June 2, 1961
- Photographic Negatives, Sea lion Gulch, July 3, 1961
- Photographic Negatives, BR65, July 5, 1961
- Photographic Negatives: BR90, July 5, 1961
- Photographic Negatives, BR65, July 23, 1961
- Photographic Negatives, [Kelp] Catalina Island, July 25, 1961, BR SIO, July 23, 1961
- Photographic Negatives, Holdfasts BR65, September 13, 1961
- Photographic Negatives, BR65, October 1961, TB and Supp HF
- Photographic Negatives: Turtle Bay, October 4, 1961
- Photographic Negatives, Turtle Bay, October 18, 1961, BR65, October 21, 1961
- Photographic Negatives, Tampico, November 4, 1961
- Photographic Negatives, BR2 35, November 7, 1961
- Photographic Negatives, M2 collections at W25 and Egriger, November, 17, 1961
- Photographic Negatives, November 27, 1961, Harvester Operation

Box Folder Title

Photographic Negatives and Transparencies Series (continued)

- 37 Photographic Negatives, Summer Canyon, December 1961
- Photographic Negatives, Abalone Cove, December 13, 1961
- Photographic Negatives, Grazers in Bed at Mission Bay Jetty, December 15, 1961
- Photographic Negatives, Summer Canyon, December 18, 1961
- Photographic Negatives, Santa Barbara, December 20, 1961
- Photographic Negatives, Scripps Canyon, North Branch, December 26, 1961, Hi Speed Ektachrome
- Photographic Negatives, Scripps Canyon, N. Branch, December 31, 1961
- Photographic Negatives: Whites Point, December 31, 1961
- Photographic Negatives: La Jolla Caves, January 6, 1962
- Photographic Negatives: Papalote Bay 10' Sta., January 15, 1962
- Photographic Negatives, Anacapa, January 21, 1962
- Photographic Negatives, Pt. La Jolla, Eisenia forest Lytechinus, January 27, 1962
- Photographic Negatives: North Branch, January 27, 1962
- Photographic Negatives, BR90, January 28, 1962
- Photographic Negatives, Pt. Loma Transect, January 30, 1962
- Photographic Negatives: Pt. Loma Kelp Bed, January 30, 1962
- Photographic Negatives, Pt. Loma old transect line, January 30, 1962
- Photographic Negatives, Kelp Point, February 2, 1962
- Photographic Negatives, Cape Tortola, February 3, 1962
- Photographic Negatives, Carmel Canyon, March 2, 1962

Box Folder Title

Photographic Negatives and Transparencies Series (continued)

- 37 Photographic Negatives: Whaler's Cove, March 3, 1962
- Photographic Negatives, 80-110', 5 Minute Kelp, March 12, 1962
- Photographic Negatives, Avalon, May 4, 1962, Dwarf Pelagophycus
- Photographic Negatives: Canon de las Encinas, November 22, 1962
 BR65, November 29, 1962
- Photographic Negatives, Scripps Canyon, 70'-90', December 1962
- Photographic Negatives, Canyon de las Encinas, December 23, 1962
- 38 Photographic Negatives, Canyon de las Encinas Sta. 1, Sta. 2, Leucadia, Sta. 3, December
 31, 1962
- Photographic Negatives, Buoys, January 16, 1963
- Photographic Negatives, Turtle Bay, February 3, 1963, Bay Station, 10 foot depth
- Photographic Negatives, San Elijo Lagoon, August 17, 1963
- Photographic Negatives: Santo Tomas Waves, 1964
- Photographic Negatives: Pt. Pinos, August 16, 1964
- Photographic Negatives: Abalone Cove, June 14, 1974
- Photographic Negatives: 1975
- Photographic Negatives: Crystal Cove Grid, Ann and Bill Long, June 27, 1975
- Photographic Negatives, 1977
- Photographic Negatives, Test Farm Buoy Catalina Island Trip, all circa 1978-1979
- Photographic Negatives, October 6, 1979, TF
- Photographic Negatives, Beijing, Forbidden City, Central Square, Summer Palace, July 1983
- Photographic Negatives: November 17, 1991

Box Folder Title

Photographic Negatives and Transparencies Series (continued)

38 Photographic Negatives: Color Obliques [San Diego Coast] August 13, 1995

Mounted Transparencies Series

38 Mounted Transparencies, n.d.

Mounted Transparencies, n.d.

Mounted Transparencies: Streichenbergh Plants, n.d.

Mounted Transparencies: White Shark, Terminal Island, February 1960

Mounted Transparencies: Gulf Limbaugh [before 1961]

Mounted Transparencies: TB Flight, February 24, 1960

Mounted Transparencies: Assorted high quality photos of various marine biota and habitat, 1961-1964

Mounted Transparencies: 1962

Mounted Transparencies: 1962-1963

Mounted Transparencies: Slides duped for Wilcox, 1962-1967

Mounted Transparencies: Lovers Point Kelp Squid Eggs, September 1964

Mounted Transparencies, 1965

Mounted Transparencies, Anacapa, August 1965

Mounted Transparencies, 1966

Mounted Transparencies, 1967

Mounted Transparencies: Assorted Marine Biomass Slides, 1967-1976

Mounted Transparencies: 1968

Mounted Transparencies: 1969

Box Folder Title

Mounted Transparencies Series (continued)

- 38 Wheeler North Photograph Notebook "General F1" 2 ¼ x 2 ¼ transparencies, 1969-1971
Wheeler North Photograph Notebook "General F1" 2 ¼ x 2 ¼ transparencies, 1967-1975
Wheeler North Photograph Notebook "General F1" 2 ¼ x 2 ¼ transparencies, 1974-1975
- 39 Wheeler North Photograph Notebook "General F1" 2 ¼ x 2 ¼ transparencies, 1967-1975
Wheeler North Photograph Notebook "General F2" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General F2" 2 ¼ x 2 ¼ transparencies, 1965-1969
Wheeler North Photograph Notebook "General F2" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General F3" 2 ¼ x 2 ¼ transparencies, 1967-1968
Wheeler North Photograph Notebook "General F3" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General FI3" 2 ¼ x 2 ¼ transparencies, 1967-1971
Wheeler North Photograph Notebook "General F-4" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General F-4" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General F-4" 2 ¼ x 2 ¼ transparencies, 1979-1984
Wheeler North Photograph Notebook "General J" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General J" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General J" 2 ¼ x 2 ¼ transparencies
- 40 Wheeler North Photograph Notebook "General K" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "General K" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "Diablo Canyon – A" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Notebook "Diablo Canyon – B" 2 ¼ x 2 ¼ transparencies
Wheeler North Photograph Metal Box "Suchsdorf, Rollei" 2 ¼ x 2 ¼ color transparencies

Box Folder Title

Mounted Transparencies Series (continued)

- 40 Wheeler North Photograph Metal Box "Asstd Rollei" 2 ¼ x 2 ¼ color transparencies
- Wheeler North Photograph Metal Box "Cataloged Rollei Originals + Asstd" 2 ¼ x 2 ¼ color transparencies
- Wheeler North Photograph Metal Box "UW Tropicals" 2 ¼ x 2 ¼ color transparencies
- Mounted Transparencies: New Hope Rock, October 31, 1969
- Mounted Transparencies: 1970
- Mounted Transparencies: Abalone Cove, October 21, 1971
- Mounted Transparencies: 1972
- Mounted Transparencies: Arch Rock, April 7, 1972
- Mounted Transparencies: Tom Mahnkin's Slides of WJN attending TB Planks, Fall 1972
- Mounted Transparencies, Abalone Cove, November 2, 1972
- Mounted Transparencies: White's Point, December 11, 1972
- Mounted Transparencies: Arch Rock, July 17, 1973
- Mounted Transparencies: San Mateo Point, August 28, 1973
- Mounted Transparencies: Test Farm, November 28, 1978
- Mounted Transparencies: HD, 1982
- Mounted Transparencies: HD, September 7, 1982
- Mounted Transparencies: Controls, September 23, 1982
- Mounted Transparencies: HD, October 25, 1982

Box Folder Title

Kelp Survey Aerial Photographs Series

- 40 Wheeler North Aerial Photographic Metal Box, "Aerials" Index
- Wheeler North Aerial Photographs, Guide to Usage of the Kelp Aerial Survey Photographs, by Wheeler J. North, May 31, 1966
- Kelp Aerial Survey Photos, San Diego, n.d.
- Kelp Aerial Survey Photos, La Jolla, 1966
- Kelp Aerial Survey Photos, Pt. Loma, 1966
- 41 Kelp Aerial Survey Photos, Pt. Loma, La Jolla Obliques, November 26, 1966
- Kelp Aerial Survey Photos, Leucadia, Mission Bay, Pt. Loma, La Jolla, Encinitas, Cardiff, Leucadia, Carlsbad, Oceanside, November 26, 1966
- Wheeler North Aerial Photographs, San Francisco Bay, June 1966
- Kelp Aerial Survey Photos, February 4, 1967
- Kelp Aerial Survey Photographs, March 23, 1967, 35 mm negatives and proof sheets
- Kelp Aerial Survey Photographs, March 23, 1967, 8x10 b/w prints
- Kelp Aerial Survey Photographs, March 23, 1967, 8x10 b/w prints
- Kelp Aerial Survey Photographs, March 23, 1967, 8x10 b/w prints
- Kelp Aerial Survey Photos, April 30, 1967
- Kelp Aerial Survey Photos, April 30, 1967 [Mosaic]
- Kelp Aerial Survey Photos, Work Sheets for Mosaic of Pt. Loma and La Jolla on April 30, 1967
- Kelp Aerial Survey Photos, June 4, 1967
- Kelp Aerial Survey Photos, June 4, 1967, La Jolla
- Kelp Aerial Survey Photos, June 27, 1967

Box Folder Title

Kelp Survey Aerial Photographs Series (continued)

- 41 Kelp Aerial Survey Photos, Fall 1967
- Kelp Aerial Survey Photos, October 3, 1967
- Kelp Aerial Survey Photos, November 28, 1967
- Kelp Aerial Survey Photos, November 28, 1967, Mosaic Pt. Loma, La Jolla
- Kelp Aerial Survey Photos, Mosaics, 1968
- Kelp Aerial Survey Photos, January 29, 1968
- Kelp Aerial Survey Photos, March 11, 1968
- Kelp Aerial Survey Photos, April 19, 1968
- Kelp Aerial Survey Photos, April or May 1968, San Mateo to La Jolla
- Kelp Aerial Survey Photos, May 27, 1968
- Kelp Aerial Survey Photos, June 12, 1968
- Kelp Aerial Survey Photos, July 9, 1968
- Kelp Aerial Survey Photos, November 27, 1968
- Kelp Aerial Survey Photos, November 27, 1968
- 42 Kelp Aerial Survey Photos ca. April 18, 1969, Oceanside to Laguna, Pt. Loma
- Kelp Aerial Survey Photos, La Jolla and CDM [Corona del Mar], Probably, April 18, 1969
- Kelp Aerial Survey Photos, Pacific Beach, Pt. Loma, (Sunset Cliffs to Bird Rock) Probably, April 18, 1969
- Kelp Aerial Survey Photos, La Jolla to Leucadia, Probably April 19, 1969
- Kelp Aerial Survey Photos, Pta. Salsipuedes to Papalote Bay, October 8, 1969
- Kelp Aerial Survey Photos, Pta. Sto. Thomas to San Jose, October 8, 1969

Box Folder Title

Kelp Survey Aerial Photographs Series (continued)

- 42 Kelp Aerial Survey Photos, Pta. Sto. Thomas to San Jose, October 8, 1969
- Kelp Aerial Survey Photos, Various Baja, October 8, 1969
- Kelp Aerial Survey Photos, Leucadia, October 14, 1969
- Kelp Aerial Survey Photos, Pt. Loma, La Jolla, Del Mar, October 14, 1969
- Kelp Aerial Survey Photos, San Clemente – Newport, October 14, 1969
- Kelp Aerial Survey Photos, April 2, 1970
- Kelp Aerial Survey Photos, Corona del Mar – Abalone Point, April 2, 1970
- Kelp Aerial Survey Photos, April 20, 1972
- Kelp Aerial Survey Photos, October 28, 1970
- Kelp Aerial Survey Photos, April 21, 1971
- Kelp Aerial Survey Photos, October 15, 1971
- Kelp Aerial Survey Photos, April 20, 1972
- Kelp Aerial Survey Photos, July 30, 1972
- Kelp Aerial Survey Photos, October 13, 1972
- Kelp Aerial Survey Photos, November 23, 1972
- Kelp Aerial Survey Photos, November 28, 1972
- Kelp Aerial Survey Photos, November 28, 1972
- Kelp Aerial Survey Photos, December 2, 1972, December 9, 1972
- Kelp Aerial Survey Photos, December 9, 1972
- Kelp Aerial Survey Photos, December 30, 1972
- Kelp Aerial Survey Photos, June 16, 1973

Box Folder Title

Kelp Survey Aerial Photographs Series (continued)

- 42 Kelp Aerial Survey Photos, March 2, 1977
Kelp Aerial Survey Photos, September 15, 1981
Kelp Aerial Survey Photos, June 25, 1986
Kelp Aerial Survey Photos, 1986 Mosaic Slides, March 14, 1986
Kelp Aerial Survey Photos, March 17, 1987
Kelp Aerial Survey Photos, October 21, 1990
Kelp Aerial Survey Photos, May 21, 1993

Lecture Slides Series

- 42 Lecture Slides, California Coastal Commission, April 1979
Lecture Slides: China, 1983
Lecture Slides, Diablo Slides, March 19, 1988
Lecture Slides, Coast Guard Auxiliary Talks, June 1988
Lecture Slides, Costa Mesa Elementary, June 17, 1991

Lantern Slides Series

- 43 Forty Glass Slides
Shoebox

35mm Slides Series

- 42 [List of Slides for Lectures,] n.d.
Wheeler North Photographic Notebook, "Diablo Canyon – A" Slide List
[Lists of Slides for Lectures,] 1981-1985
[Lists of Slides for Lectures,] 1986
[Lists of Slides for Lectures,] n.d.

Box Folder Title

35mm Slides Series (continued)

42 [Lists of Slides for Lectures,] 1987-1992

[Lists of Slides for Lectures,] 1993-

Films Series

Media 16mm Film: Juvenile Plants on the Test Farm, by R.W. Long, n.d.

Film: Tortugas Sponges, Sponge Fauna of the Dry Tortugas [not found after searching all boxes, June 2011]

16mm Film: Tampico, Conrad Limbaugh, Scientific Diving Consultants, July 31, 1957

Slide Cabinets: 35 mm Slides Series

Drawer numbering does not correspond to current drawer arrangement (2013) but sequencing is probably the same

Drawer CONTENTS

1	Wheeler North Lecture Slides I and II
1,2	Wheeler North Notebook "Subtidal California Organisms"
2	Wheeler North Notebook "General A"
2,3	Wheeler North Notebook "General B"
3	Wheeler North Notebook "General C"
3,4	Wheeler North Notebook "General D"
4,5	Wheeler North Notebook "General E"
5	Wheeler North Notebook "General G"
5	Wheeler North Notebook "General H"
5,6	Wheeler North Notebook "General I Bearings"
6	Wheeler North Notebook "General K"
6	Wheeler North Notebook "General CO ₂ "
6	Wheeler North Notebook "Diablo Canyon-A"
6,7	Wheeler North Notebook "Diablo Canyon-B"
7	Wheeler North Notebook "Diablo Canyon-C"
7	Wheeler North Notebook "Experimental"
7	Wheeler North Notebook "Special"
7,8	Wheeler North Notebook "Travel"
8	Wheeler North Photo Metal Box "UW Tropicals"
8	Wheeler North Photo Metal Box "Lectures"
8	Wheeler North Photo Metal Box "Tampico"

Slide Cabinets: 35 mm Slides Series (continued)

Drawer CONTENTS

- 8,9 Wheeler North Photo Metal Box “Category and Underwater”
- 9 Wheeler North Photo Metal Box “Suchsdorf”
- 9 Wheeler North Photo Metal Box, no title
- 9 Wheeler North Photo Metal Box “Sharks”
- 9 Wheeler North Photo Metal Box “Aerials” – see index in 2003-43 folder
- 9,10 Wheeler North Photo Metal Box “Field”
- 10-29 Wheeler North Kelp Aerial Survey Photos, 1966-1993
- 30 Wheeler North Lecture Slides, Cambridge, UK, n.d.
- 30 Wheeler North Lecture Slides, High School talk, 1968
- 30 Wheeler North Lecture Slides, 7th International Seaweed Symposium, August 1971
- 30 Wheeler North Lecture Slides, Tahiti, 1975
- 30 Wheeler North Lecture Slides, California Coastal Commission, April 1979
- 30 Wheeler North Lecture Slides, China, 1983
- 30 Wheeler North Lecture Slides, China Kelp 1983
- 30 Wheeler North Lecture Slides, TB Kelp for China, 1983
- 30 Wheeler North Lecture Slides, TB, 1983
- 30 Wheeler North Lecture Slides, Diablo Slides, March 9, 1988
- 30 Coast Guards Auxiliary Talks, June 1988
- 30 Role of the Ocean in Human Society, UCI, January 1994
- 30 Costa Mesa Elementary, June 17, 1991
- 31 Wheeler North Slides, n.d.

Slide Cabinets: 35 mm Slides Series (continued)

Drawer CONTENTS

- 31 Wheeler North Slides, n.d., numbered
- 31 Wheeler North Slides, n.d., Al Allanson slides
- 31 Wheeler North Slides, n.d., Anatomy for Scuba Class
- 31 Wheeler North Slides, n.d., Rich Bergero
- 31 Wheeler North Slides, n.d., Buoys
- 31 Wheeler North Slides, n.d., Buoy and Caltech Boat
- 31 Wheeler North Slides, n.d., Competition, control breeding, and modeling
- 31 Wheeler North Slides, n.d., Cultivation
- 31 Wheeler North Slides, n.d., Dups of pretty Kelp Shots, 10 each
- 31 Wheeler North Slides, n.d., Dups to Mitchell
- 31 Wheeler North Slides, n.d., Ecology 1
- 31 Wheeler North Slides, n.d., Ecology 2
- 31 Wheeler North Slides, n.d., Ecology 3
- 31 Wheeler North Slides, n.d., Ecology 4
- 31 Wheeler North Slides, n.d., Ecology 5
- 31 Wheeler North Slides, n.d., Emil's slides
- 31 Wheeler North Slides, n.d., Fertilizing
- 31 Wheeler North Slides, n.d., Historical Maps, abnormal kelp
- 31 Wheeler North Slides, n.d., Bob Hollis
- 31 Wheeler North Slides, n.d., Human Disturbances 1
- 31 Wheeler North Slides, n.d., Human Disturbances 2

Slide Cabinets: 35 mm Slides Series (continued)

Drawer CONTENTS

- 31 Wheeler North Slides, n.d., Kelp Bed Restoration 1
- 31 Wheeler North Slides, n.d., Kelp Bed Restoration 2
- 31 Wheeler North Slides, n.d., Kelp Bed Restoration 3
- 31 Wheeler North Slides, n.d., Kelp Culturing, Kelp Ecology, Dups
- 31 Wheeler North Slides, n.d., Kelp Gams
- 31 Wheeler North Slides, n.d., Kelp Dups
- 31 Wheeler North Slides, n.d., LS of Surf at La Jolla Shores
- 31 Wheeler North Slides, n.d., Macrocystis Biology 1
- 31 Wheeler North Slides, n.d., Macrocystis Biology 2
- 31 Wheeler North Slides, n.d., Macrocystis Biology 3
- 31 Wheeler North Slides, n.d., Macrocystis Biology 4
- 32 Wheeler North Slides, n.d., Macrocystis Biology 5
- 32 Wheeler North Slides, n.d., Macrocystis Biology 6
- 32 Wheeler North Slides, n.d., Manure Spreader on Buoy Boat
- 32 Wheeler North Slides, n.d., Marine Biomass 1
- 32 Wheeler North Slides, n.d., Marine Biomass 2
- 32 Wheeler North Slides, n.d., Marineland Pier Kelp Growth Experiment
- 32 Wheeler North Slides, n.d., Metridium talk Asilomar
- 32 Wheeler North Slides, n.d., Nereocystis drift at La Jolla
- 32 Wheeler North Slides, n.d., Oceanography for Divers
- 32 Wheeler North Slides, n.d., Papalote Inlet Morphological variants in Macrocystis

Slide Cabinets: 35 mm Slides Series (continued)

Drawer CONTENTS

- 32 Wheeler North Slides, n.d., PL Maps
- 32 Wheeler North Slides, n.d., Production Biology
- 32 Wheeler North Slides, n.d., Pt. Pinos
- 32 Wheeler North Slides, Sci. Dups, some Kelp Ecology, 1961-1964
- 32 Wheeler North Slides, Sharks, 1950s
- 32 Wheeler North Slides, n.d., Test Farm Dups
- 32 Wheeler North Slides, n.d., Val Graphs
- 32 Wheeler North Slides, n.d., Venomous Marine Mammals
- 32 Wheeler North Slides, n.d., Waves at La Jolla Shores

Slides By Date

- 32 Wheeler North Slides, 1957
- 32 Wheeler North Slides, 1958
- 32 Wheeler North Slides, 1959
- 32 Wheeler North Slides, 1960
- 32, 33 Wheeler North Slides, August-December 1961
- 33 Wheeler North Slides, 1961
- 33 Wheeler North Slides, 1962
- 33 Wheeler North Slides, June-August 1963
- 34 Wheeler North Slides, 1964-1972
- 35 Wheeler North Slides, 1972-1983
- 36 Wheeler North Slides, 1985-1993 (1992 not included)