



# MacInnes (Duncan A.) papers

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## Summary Information

<b>Repository:</b>	Rockefeller Archive Center
<b>Creator - aut:</b>	MacInnes, Duncan A. (Duncan Arthur)
<b>Title:</b>	Duncan A. MacInnes papers, Rockefeller University Faculty
<b>ID:</b>	FA178
<b>Date [inclusive]:</b>	1926-1965
<b>Physical Description:</b>	9.24 Cubic Feet
<b>Physical Description:</b>	20 boxes; 2 volumes and envelope
<b>Language of the Material:</b>	English

### Preferred Citation

Information regarding the Rockefeller Archive Center's preferred elements and forms of citation can be found at <http://www.rockarch.org/research/citations.php>

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## Biographical/Historical note

Duncan-Arthur MacInness, 1885-1965, scientist in physical chemistry worked at The Rockefeller University (earlier RIMR) from 1926 until his death in 1965.

He was the author of The Principles of Electrochemistry and numerous contributions to scientific publications and mountaineering magazines.

Biographical note	
1885	Born March 31, Salt Lake City, Utah
1907	B.S. University of Utah
1909	M.S. University of Illinois, Urbana

1911	Ph. D. University of Illinois, Urbana
1911-1914	Instructor in physical chemistry, University of Illinois, Urbana
1914-1917	Associate in physical chemistry, University of Illinois, Urbana
1917-1921	Assistant professor, physical chemistry, MIT, Cambridge, Mass.
1921-1926	Associate professor in physical chemistry, MIT, Cambridge, Mass.
1926-1940	Associate Member, Rockefeller Institute for Medical Research, New York
1940	Sigma Xi lecturer
1940-1950	Member, RIMR
1942	William H. Nichols Medal, American Chemical Society
1943	Priestley lecturer, Pennsylvania State College
1948	President's Certificate of Merit for War Researches
1948	Edward Goodrich Acheson Medal of Electrochemical Society
1950	Member Emeritus, RIMR
1965	Died September 23, Hanover, New Hampshire

Member of: American Physical Society, Fellow, National Academy of Sciences, American Chemical Society, American Electrochemical Society (President 1935-1937), American Academy of Arts and Sciences, Harvey Society, American Philosophical Society

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## Scope and Contents note

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Includes photographs, mss., reprints, journals; war contract Duncan, material.

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## Arrangement note

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Arranged in chronological order within subject.

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## File Plan note

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Former Classification: I 450 M189

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## Administrative Information

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### Publication Statement

Rockefeller Archive Center

15 Dayton Avenue

Sleepy Hollow 10591

[archive@rockarch.org](mailto:archive@rockarch.org)

URL: <http://www.rockarch.org>

### Revision Description

Paper finding aid converted to EAD/XML by AureXus in 2010. Imported into the Archivists' Toolkit by Becky Robbins. 2010 September 21

## Immediate Source of Acquisition note

MacInnes papers, along with the residue and remainder of his property both real and personal were bequeathed by will, unrestricted to The Rockefeller University.

Received or inventoried: April/May 1974.

## Conditions Governing Access note

Open for research. Brittle or damaged items are available at the discretion of RAC. Researchers interested in accessing digital media (floppy disks, CDs, DVDs, etc.) or audiovisual material (audio cassettes, VHS, etc.) in this collection must use an access surrogate. The original items may not be accessed because of preservation concerns. To request an access surrogate be made, or if you are unsure if there is an access surrogate, please contact an archivist.

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## Controlled Access Headings

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- World War II
- Chemical warfare
- Chemical warfare -- Research -- United States
- Chemistry
- Biochemistry
- Electrochemistry
- Rockefeller University
- Rockefeller Institute for Medical Research

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## Collection Inventory

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### Biographical materials

#### Scope and Contents

Includes bibliography, personal correspondence, financial records, personal and family photographs, and will.

Title/Description	Instances
Biographical materials, 1926-1948 1974	box 1

## Scope and Contents note

Autobiographical sketch including two additional holograph pages; account of laboratory researches 1926-1948; bibliography; Public Relations obituary; 2 page summary of biography written by Lewis G. Longworth (written for RU exhibit, summer 1974 Burial certificate and note of interment).

Personal correspondence, 1907-1960 1961-1965

box 1

## Arrangement note

Arranged in chronological order and personal.

Letters written to mother, 1907

correspondence dealing with criticism of guides on Mt. Rainier and related to article appearing in Appalachia, 1936-1940

correspondence with Macy's Department Store to protest handling of Blanchard's "American Freedom and Catholic Power", 1949

correspondence on 65th birthday, 1950

## Arrangement note

Arranged in alphabetical order.

Acree, S.F.

Aunt Fanny

Beattie, James A.

Belcher, Donald

Berdick, J. & M.

Blum, W.

Brown, Alfred

Cowperthwaite, I.

Dole, Malcolm

Ecker, Paul G.

Harris, Louis

Kobelt, Nina

Miller, Mary L.

Perlmann, G.E.

Ray, Roger & D.

Risk, Louise

Scotchald (sp.?) G.	
Smith, Edgar Reynolds	
Uhlig, Herbert	
Some letters of complaint to NY Central; A&P; Macy's	
Stuart Jeffery Bates, 1955	
Financial matters: investments, sale of apartment, social Security, TIAA, complaints of noise in apartment, 1959	
letters from sister Jean traveling abroad, 1960	
Guggenheim Fellowship recommendation for Reginald Laubin, 1961	
report from physician, 1961	
holograph letter from Harlow [Shapley], 1961	
correspondence with Museum of Fine Arts, Boston and Massachusetts College of Art regarding statuette of D. MacInnes done by Cyrus Dallin, 1962-1963	
correspondence with Samuel M. Goudsmit about a working space at Brookhaven National Lab, 1964	
Letter to D.W. Bronk discontinuing work at Institute laboratory, 1965 March 18	
Correspondence with E.R. Smith and Charles A. Kraus regarding membership in the Cosmos Club, 1965	
Cottage in Ft. Montgomery, NY including deed of purchase, correspondence and repairs	box 1
Financial records from 1956, 1965	box 1
Income tax returns and correspondence, 1942-1951	box 1
Biographical memoir, National Acad. of Sciences 41, 1970	box 1
Passports and affidavit of birth date	box 1
Photographs of Dr. MacInnes, family and laboratory associates	box 1
Outdoors, 1941	box 1

### Scope and Contents note

Includes incomplete essay "Enjoying the Outdoors" (typed and holograph) correspondence from companions; American Alpine Club; Appalachian Mountain Club (including Conservation Committee); Representatives and Senators and Gov. Nelson Rockefeller.

Includes copy of Appalachia, June 1941.

Rockefeller Institute memos (very scattered)	box 1
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Will

box 1

[^ Return to Table of Contents](#)**Journals, 1933-1959 (lack 1953-1957) 1910-1914 1925-1958**

<b>Title/Description</b>	<b>Instances</b>
Diaries	box 2
1933 July 8-1934 July	
1944 October 18-1945 December 21	
1946 January 2-1947 December 30	
1948 January 4-1948 December 31	
1949 January 3-1949 December 31	
1950 January 6-1950 December 20	
1951 January 4-1951 December 20	
1952 January 4-1952 August 31	
1958 March 3-1959 April 7	
Mimeographed copy A.L. Nadai "Trip to Moscow", 1945	box 2
Diaries	box 3
<b>Scope and Contents</b>	
Accounts of trips.	
1910-1914	
England, 1925	
1930	
A.M.C. trip New Hampshire	box 3
August Glacier Park, Montana, 1934-1935	box 3
1934-1935	
Mt. Rainier National Park, July 25-September 10	box 3
Banff-Crater Lake, July 13-August 11	box 3
1936	
New York; Swarthmore, 1936 July 1-8	box 3
Glacier Park, 1936 July 15-18	box 3
Yellowstone National Park, 1936 August 10-September 13	box 3

European trip, 1939 July 12-September 18	box 3
Moscow trip, 1945 June-July	box 3
1946-1947	box 3
Wind River Range, July 5-August 31	
Grand Teton, July 17-September 2	
White Mountains, 1948 July 12-August 28	
Italy, Sweden, Denmark, 1956 September 4-October 3	
Iceland, Norway, 1958 July 31-September 10	
Cash accounts and appointment book, 1959	
Folder of mementos, photographs, photocopy of newspaper items on Moscow trip	box 3

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## Correspondence, 1941-1963

box 4

### Arrangement note

Arranged in alphabetical order by correspondent including incoming and outgoing letters. Number in parenthesis indicates number of items. If only one item present name not listed unless of special interest.

Title/Description	Instances
A	box 4
Acree, S.F.	
Adam, N.V. University College, Southampton	
Adams, Roger University of Illinois, Urbana	
Addicks, Lawrence (Low-melting alloys)	
Albert, A. Adrian (Mathematics conference)	
American Russian Institute	
Amis, Edward S. University of Arkansas	
Anderson, Leroy (Standard cell comparator)	
Apt, Charles M.	
Armstrong, H. Howard (Radio wave theory)	
Audubert, Rene (visit to RIMR)	
B	box 4

Baker, Philip S. (Calomel-mercury electrode)	
Bates, Stuart California Institute of Technology	
Beams, J.W. Rouss Physical Laboratory	
Beattie, James A.M.I.T.	
Birge, R.T. (value of the Faraday)	
Bjerrum, Jannik	
Bjerrum, Niels	
Blinks, Lawrence	
Blum, W. National Bureau of Standards	
Bockris, J. O'M	
Bronk, Detlev National Academy of Sciences	
Brown, Alfred Seely	
Brown, Weldon G.	
Burdick, C. Lalor	
Burgess, Laurie L.	
Burns, R.M.	
Butcher, Devereux. National Parks Assoc	
Butler, J.A.V.	
C	box 4
Campbell, Edwin S.	
Cann, John R.	
Carmichael, E.S. (Nichol's Award Dinner)	
Cazier, Mont. A. (includes some APS items)	
Charlwood, P.A. National Research Council, Canada	
Chemical and Engineering News	
Chu, Ting Li	
Chu, V.G.	
Cirker, Hayward (Dover Publications - includes several correspondents)	
Clark, W. Mansfield	
Clarke, Hans T.	
Clarkson, James A.	
Coggeshall, L.T.	

Cohn, Edwin J.	
Cole, Kenneth S.	
Cole, Robert H.	
Condon, E.U. National Bureau of Standards	
Corner, George W.	
Cottrell, E.G. holograph	
Cox, Edward II	
D	box 4
Darrow, Karl K.	
Davies, R.H.	
Dayhoff, Margaret	
Dodson, R.W.	
Doerr, John E. National Park Service	
Dole, Malcolm	
Dryden, Hugh L	
Dubisson, M.	
DuMond, Jesse W.M.	
Dunn, Leslie C. (Concerning Am. Soviet Science Society)	
E	box 4
Ecker, Paul G.	
Edsall, John T.	
Einstein, A. (form letter Emergency Committee Atomic Scientists)	
Eisenhart, L.P. American Philosophical Society	
Ellis, Ridsdale	
Emery, Alden H.	
Encyclopedia of Science and Technology	
Engel, Leonard	
Eppley, Marion	
F	box 5
Farrer, H.E.	
Fine, M.S.	
Fite, W. Benjamin	

Flexner, Simon	
Flinn, Waldo	
Forrester, Jay (Am. Soviet Science Society)	
Fosbroke, Gerald E. (Appalachian Mountain Club)	
Frazier, John Franklin Institute Medal to Arne Tislius	
Frumkin, A.N. (Colloido-Electrochemical Inst., Moscow)	
Fruton, Joseph S.	
<b>Scope and Contents note</b>	
Includes holograph note.	
Fuoss, Raymond M.	
G	box 5
Galtsoff, Paul S.	
Gauss, E.J. (Kelvin water dropper)	
Gertsch, Willis. American Philosophical Society	
Gilman, Bradley B. American Alpine Club	
Glocker, George	
Goddard, David R.	
Gordon, A.R.	
Goudsmit, Samuel A.	
Gowen, John W.	
Graff, Henry F.	
Grahame, David C.	
Greenspan, J.	
Greenwood, Norman N.	
Gregor, H.P.	
Grundfest, Harry	
Guggenheim, E.A.	
Gurney, Ronald W.	
Gustafson, Carl O. Council of Conservation	
H	box 5
Hamer, Walter J. National Bureau of Standards, 1947-1963	
Hab-Het	

Haber & Fink	
Hall, Norris F.	
Ham, Rosewell G.	
Hamilton, E.P.	
Hammett, Louis P.	
Harned, Herbert S., 1948-1962	
Harnwell, Gaylord P.	
Harris, Helen M. Am. Soviet Science Society	
Harrison, George P.	
Hart, R.A.	
Hartley, Harold	
Hartline, H.K. APS grant application	
Hattery, Lowell H.	
Hawley, G.G. Reinhold Pub	
Heidelberger, Michael Conference on Immunochemistry	
Heiman, Jacob. Am. Soviet Science Society	
Herriott, Roger M.	
Hetland, Enok	
Hew-Huy	box 5
Hewitt, William F. Am. Soviet Science Society	
Hiatt, C.W., 1947-1960	
<b>Scope and Contents note</b>	
Includes college record, application.	
Hildebrand, Joel H.	
Hill, Arthur	
Hodgman, Charles D. Handbook of Chemistry and Physics	
Hollaender, Alexander	
Hood, Harrison P.	
Hoyman, Scott M.	
Humphreys, Harrie M.	
Hunt, Everett Lee	
Huntoon, R.D. National Bureau of Standards	

Hurd, Marjorie. Appalachian Mt. Club	
I	box 5
Iliff, J.W. John Scott Award for J.W. Beams	
International Congress on Fundamental Physical Constants, 1956	
J	box 5
Jacobs, Thomas L.	
Jacobson, C.F.	
Jacoby, Kurt	
Janz, George J.	
Jenkins, D.J. with enclosure	
Jewett, Frank B. 1945-47 National Academy of Science Conference, 1945-1947	
Johnson, Frank H.	
Johnson, James S.	
Jones, Grinnell. Re: Benj. C. Bradshaw	
Journal of Physical Chemistry	
K	box 5
Kay, Robert L., 1952-1959	
Kat	
Katavalos, Peter Conference arrangements at Ram's Head Inn	
Katchalsky, A.	
Kauzman, Walter	
Kelly, Harry C.	
Keyes, F.G. Am. Soviet Science Society	
Kilpatrick, M.	
King, William H.	
Kirk, Raymond E.	
Kirkwood, John G. Also Conference on Statistical Mechanics, 1945-1956	
Kirner, Walter R. National Science Foundation grants (Kovach, Jonich)	
Kistiakowsky, G.B. Charles B. Smyth nomination Nat'l Acad Sci	

Kittelberger, W.W.	
Klinefelter, Earl. ACS Committee on Awards	
Koenig, Frederick O.	
Kolthoff, I.M.	
Kratz, Paul H.	
Kraus, K.A.	
Kuemmerle, K.	
L	box 6
Lalor Foundation	
Lamb, Arthur B.	
LeMer, Victor K.	
Lancefield, Rebecca [Electrophoretic analysis)	
Latimer, W.M.	
Laubin, R. & G. Indian dances	
Lauffer, Max (Chemical kinetics)	
Lee, James A. Chemical Engineering	
LeRoy, D.J. On membership in NY Acad of Sci	
Lilienthal, David. In support of	
Linderstrøm-Lang, K.	
Linford, Henry B. Electrochemical Society	
Livingston, Robert B. Nat'l Acad, of Sci	
Longworth, Lewis. holograph re Harry Svensson	
M	box 6
MacDougall, F.H. Recommendation of B. Roger Ray	
Macurdy, L.B. Nat'l Bureau of Standards	
Malcove, Lillian. Recommendation of Paul G. Ecker	
Marlett, Russell	
Marvel, C.S. Nat'l Acad. Sci. nominations	
Mathews, J.H. Recommendation B. Roger Ray	
Maxwell, I.R. Pergamon Press - Langmuir Memorial Edition	
Mayer, Joseph E. Journal of Chemical Physics	
McMeekin, T.L.	



Medal of Merit correspondence	
Mendenhall, E.E.	
Merriman, Daniel, Sigma Xi lecture	
Miller, Donald	
Miller, Mary L., Nomination Garvan Medal Award	
Mirsky, Alfred E.	
Mohler, Fred Nat'l Bureau of Standards	
Muller, H.J. Security clearance re. Dr. Stadler	
N	box 6
Nachmansohn, David	
Nadai, A. on Moscow trip	
National Bureau of Standards Varied correspondents; enclosures	
Naval Research Office of	
Neurath, Hans	
Nichols, Roy F. Am. Philosophical Society	
Nier, Alfred O.C.	
Nobel Committee for Chemistry	
Noonan, J.A. Am. Philosophical Society	
Norris, Earl R.	
Northrop, John H.	
Noyes, W. Albert Journal of the American Chemical Society	
Nuovo Cimento	
O	box 6
Odishaw, Hugh Loyalty question	
Onsager, Lars	
Oster, Gerald	
Osterhout, W.J.V. 2 holograph letters	
Overbeek, J. Th. G.	
Oviatt, Charles McGraw Hill	
Owen, Benton B.	
P	box 6
Packard, Fred M. National Parks Assoc	

Pauling, Linus	
Pearson, Frank	
Pecsok, Robert L.	
Pederson, K.O.	
Pegram, George B.	
Perley, George B. Leeds and Northrop Co.	
Perlmann, Gertrude many handwritten	
Pillemer, Louis	
Plyler, Earl K. Nat'l Bureau of Standards	
Pope, Arthur Upham Iranian Institute; Vosmay Club	
Prentice, Donald B. Society of Sigma Xi	
Pray, Alfred R. Many holograph letters; includes photo	
R	box 6
Ray, B. Roger, 1944-1955	
R-Ry	box 6
Rabinowitch, Eugene Bulletin of the Atomic Scientists	
Raffel, B.D.	
Ramsey, J.B.	
Randolph, Malcolm	
Reinhold Publishing Corp.	
Reyerson, L.H. University of Minnesota	
Rhoads, CP	
Rivers, Thomas M. Vice-Pres. RIMR	
Robbins, William J. American Philosophical Society	
Ross, Arthur M. Dinner honoring Prof. Harned	
Ross, Sydney	
Rous, Peyton	
Rousselot, Albert	
Rubens, S.M.	
Rubicon Company	
Rukeyser, Muriel telegram re. petition behalf Hollywood Ten	
Russian Relief Inc.	

Ri	box 6
Richards, A. Nat'l Acad. Sci. - Shelter Island Conferences	
S-Sha	box 7
Sabin, Florence	
Sadek, Hussein	
Sadler, Monroe S.	
Salzberg, Hugh W.	
Sanford, Raymond L. Nat'l Bureau Standards	
Sanigar, Edward B. Electrochemical Society	
Scratchard, George	
Scheludko, A.	
<b>Scope and Contents note</b>	
Includes reprint.	
Schneirla, T.C. Am. Philosophical Soc. grants	
Schrage, S.	
Schumann, K.	
Science	
Scientific American	
Scott, Arthur F.	
Sears, Paul B. Mountain climbing	
Seifriz, William	
Sendroy, Julius, Jr.	
Shapley, Harlow	
She-Smith	box 7
Sigurdsson, Bjorn	
Slater, John C.	
Smillie, Wilson G.	
Smith, Edgar Reynolds. Nat'l Bureau Standards	
Smith, Edric B.	
Smith, Jessica. Soviet Russia Today	
Smith, Paul A. Nat'l Academy Sci	
Smy	box 7

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Smyth, Charles P., 1954

**Scope and Contents note**

Includes addresses 1954 Nichols Award.

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Sn-Sz

box 7

Sollner, Karl

Spedding, F.H.

Sporck, Christian R.

Stadler, L.J. Loyalty Board

Stanley, Wendell M.

Stern, Kurt G.

Steuer, Rosemary. Camping

Stewart, Florence M. Studies of RIMR

Stewart, John Q.

Stillman, Calvin W. Conservation

Stockmayer, Walter H.

Stoenner, R.W.

Stokes, R.H.

Straumanis, Martin E.

Sundaram, S.P.

Svedberg, The

Svensson, Harry

Swartout, J.A.

Szent-Gyorgyi, A.

---

T

box 7

Tait, Andrew. Recommendation

Tarter, H.V.

Taub, David. Recommendation

Taube, Henry A.C.S. lecture at Cornell

Thomas, Elbert. Loyalty investigations

Thomas, Henry

Thompson, James S.

Thomsen, John S.

Tiselius, Arne	
Tobias, Charles W.	
Tolman, Richard C.	
Topp, N.E.	
Trambarulo, Ralph	
Treadwell, W.D.	
Trytlen, M.H.	
Turner, Francis M. Reinhold Publishing	
U-V	box 7
Uhlig, H.H.	
Urey, Harold C. Signed typescript	
Van Slyke, Donald	
Vinal, George W. Nat'l Bureau Standards	
Vincent, George D.	
W	box 7
Way, Harold E.	
Weaver, Warren	
Weigl, John W.	
Whitaker, Douglas	
Whitney, Willis R.	
Wilks, S.S. Nat'l Acad. Sci. Conferences	
Williams, John V. Conference on Ultra centrifuge	
Wilshusen, Herbert F.	
Wilson, E.B. Nat'l Academy of Science	
Wilson, Perry W.	
Wright, Donald D.	
Whe	
Wheeler, John A. 1946-48 Conference on Quantum Mechanics, 1946-1948	
X-Y-Z	
Yoshimura, Hisato	
Young, Donald	
Young, Duane E.	

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 Young, T.F.
 

---

 Zuot, M.
 

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 Zweifel, R.G.
 

---

 Zworykin, V.K.
 

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## Subject files

box 8

### Scope and Contents note

Subject files as maintained by Duncan A. MacInnes.

#### Title/Description

#### Instances

Correspondence

box 8

### Scope and Contents note

Correspondence primarily between 1952-1964.

### Arrangement note

Arranged in alphabetical order by subject.

---

 American Chemical Society. Committee on Awards, 1959-1964
 

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Nominations of Lyman Craig, Lewis G. Longworth, Herbert S. Harned

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 American Philosophical Society, 1954-1963
 

---

Correspondence as member of committee on research grants and election to membership of Herbert S. Harned, and as member of Lewis Prize Committee

---

Bibliographies and biographical sketches used in various nominations: Herbert S. Harned; Lewis G. Longworth; Theodore Shedlovsky; Victor K. LaMer

---

Budgets and statements at Rockefeller University, 1959 1965-1966

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Calibration certificates from National Bureau of Standards: Mueller Bridge; Resistances; Standard Cells; Weights

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Criticism: (comments and correspondence as referee for Journal of American Chemical Society; Journal of Physical Chemistry.) Arranged alphabetically by first author

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 Electrochemical Society
 

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## Scope and Contents note

Includes abstract of "A redetermination of the Value of the Faraday with the Iodine Coulometer" and carbon copy of "Josiah Willard Gibbs and the Hall of Fame".

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National Academy of Sciences. Primarily material on ballots

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National Academy of Sciences. Committee on Battery Additives. Primarily duplicated material

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National Research Council. Conference on Number Theory and Class Field Theory

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National Science Foundation, 1952-1955 1957-1963

## Scope and Contents note

1952-1955 Recommendations on grants. 1957-1963 correspondence and budget dealing with NSF-C5093 and GP-1956.

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Reprint requests, 1945-1946

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Vosmoy Club, 1945-1946

---

Conferences arranged chronologically, 1953

box 9

## Scope and Contents note

Includes correspondence dealing with details of arrangements with participants, preparations and some final reports. After 1953 consist mostly of letters from chairman of particular conference clearing through Dr. MacInnes.

Conferences. In 1945 Dr. MacInnes, dissatisfied with results of conferences attended by large numbers, suggested to Dr. Jewett and Dr. Bronk that the National Academy of Sciences sponsor and support specialized 3-day conferences limited to no more than 25 participants actively at work in the particular subject area.

They were held primarily at Ram's Head Inn on Shelter Island and Arden House, though the first was held at The Rockefeller Institute.

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Bioelectric Potentials Conference 1946 Dec. 13-14. Papers in honor of W.J.V. Osterhout under auspices of National Academy of Sciences at RIMR. Papers by Kenneth S. Cole, L.R. Blinks, Rafael Lorente de No, 1946 December 13-14

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Bioelectric Potentials Conference, 1946-1947

**Scope and Contents note**

Correspondence on arrangements, expenses and evaluation. Dated 1947 Nov. 7 a copy of MacInnes report on 1946 Conference and June 1947 Conference.

Bioelectric Potentials Conference. Correspondence on publication of conference material including summaries and figures. Holograph letters from L.R. Blinks	
Quantum Mechanics Conference 1947 June 2-4 held at Ram's Head Inn. Correspondence, 1947 June 2-4	
Low Temperature Conference 1948 May 31, June 1-2 held at Ram's Head Inn. Correspondence, 1948 June 1-2	
Gene Conference, 1949 May 30-June 2	
Ultracentrifuge Conference, 1949 June 14-16	
Statistical Mechanics Conference, 1950 June 6-8	
Quantum Mechanical Methods in Valence Theory Conference, 1951 September 8-10	
Mechanism of Hormone Action Conference with special reference to the adrenal cortex 1952 Jan 17-19 held at Arden House, 1952 January 17-19	
Partial Differential Equations Conference held at Arden House, 1952 October 9-11	
Biochemistry, Paleocology and Evolution Conference 1953 June 9-11 at Ram's Head Inn, 1953 June 9-11	
Operator Theory and Group Representations Conference, 1953 October 20-23	
Linear Algebras Conference, 1956 June 6-8	
Mathematics of Quantum Theory Conference, 1958 June 3-6	
Annual reports, lectures, addresses and manuscripts	box 10
Annual reports to Scientific Directors, 1927-1956 1959	box 10
<b>Scope and Contents note</b>	
(duplicated copies).	
War Research report to Scientific Directors with illustrations, 1942-1945	box 10
<b>Scope and Contents note</b>	
Undated but work done 1942-45.	
Lecture: The glass electrode	box 10



**Scope and Contents note**

(2 cop. one with list of slides).

American Chemical Society, 1933 November 20	
Brown University, 1934 October 11	
University of Illinois, 1936 May 5	
Lecture: Arrhenius and Debye Huckel Theory, undated	box 10
Lecture: The Interionic attraction Theory of Electrolytes Undated	box 10

**Scope and Contents note**

Includes list of slides.

Lists of slides used for lectures	box 10
Electrophoresis	
Washington, DC, 1942 April 9	
Amherst, Mass, 1942 November 16	
Effect of centrifugal force on electromotive force of galvanic cell	
American Physical Society, 1943 October 23	
Brooklyn Polytechnic Institute, 1943 October 28	
Study of proteins by electrophoresis	
Sigma Xi, New Haven, 1945 March 9	
American Chemical Society, New York, 1944 September 12	
Transference numbers and Debye Huckel theory	
Cornell University, 1945 May	
Study of proteins by electrophoresis	
Cornell University, 1945 May	
Effect of centrifugal force on the potentials of galvanic cells	
Cornell University, 1945 May	
Manuscripts, undated	box 10
"Some suggestions concerning the pedagogy of research"	
"[Creative evolution] "	
Lecture: Nichols Medal Address, 1942 "Galvanic Cells as Instruments of Research", 1942	box 10
Priestly lectures, Pennsylvania State College, 1943 March 22-26	box 10

**Scope and Contents note**

Includes program, slide list and correspondence.

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Phi Beta Kappa/Sigma Xi lectures 1946 Apr. 1 at Rutgers University, 1946 April 1	box 10
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**Scope and Contents note**

Includes correspondence and handwritten notes of lecture.

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Acheson Medal Address 1948 October 14, 1948 October 14	box 10
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**Scope and Contents note**

Includes presentation address by R.M. Burns and Chemical and Engineering News cover and article (photocopy).

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Presentation address: 1948 Hillebrand Prize to Edgar Reynolds Smith, 1948	box 10
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American Chemical Society lecture tour, 1949 October 1-8	box 10
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**Scope and Contents note**

Correspondence on arrangements.

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L'Institut de Chimie du Canada, 1950 November 23-23	box 10
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**Scope and Contents note**

Correspondence on arrangements, abstract and program.

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Presentation address of 1954 Nichols Medal to Charles Phelps Smyth, 1954	box 10
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Abstract of Edgar R. Smith Ph.D. thesis at M.I.T., 1921-1923	box 10
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"A Study of the Glass Electrode" by D.A. MacInnes and Laurie L. Burgess	box 10
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**Scope and Contents note**

Includes drawings. Undated.

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"The Glass Electrode Method for Measuring ph Values" Corrected copy for chapter in Donald Van Slyke book, 1941	box 10
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"The Electromotive Force Centrifuge Factors affecting Precision" by Robert L. Kay and D.A. MacInnes. Carbon copy with illustrations, Published 1957	box 10
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"Activity Coefficients from the Potentials of Concentration Cells" Letter to editors of Nature, undated	box 10
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"The Principles of Electrochemistry"	box 10
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Figures and photographs used in publications	box 11
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## Scope and Contents note

Miscellaneous (contents list in folder).

Activity coefficients	box 11
Conductance	box 11
Electrophoresis	box 11
Emf centrifuge (with Dayhoff and Ray)	box 11
pH glass electrode	box 11
Potentiometric titrations; oxidation reduction potentials	box 11
Transference	box 11
Unidentified	box 11

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## Photographs

### Scope and Contents

Photographs taken by Dr. MacInnes. Mostly unidentified but also includes 3 albums: one a family record and 2 of camping trips.

Title/Description	Instances
Photographs by Dr. MacInnes	box 12
<b>Scope and Contents note</b>  Photographs taken by Dr. MacInnes. Mostly unidentified but also includes 3 albums: one a family record and 2 of camping trips.	
Western trips	
European trip	
Gaspé, Perce	
Vermont	
unidentified	
Photographs by Dr. MacInnes and others	
New York scenes	box 13
Family and colleagues	box 13
unidentified people	box 13

## Scope and Contents

Family record

snapshots of trips	box 13
photographs by Dr. MacInnes	box 14
unidentified	box 14

[^ Return to Table of Contents](#)

## Map collection

### Scope and Contents note

Maps of climbing and camping areas. Many are topographic maps.

### Arrangement note

Arranged in alphabetical order.

Conditions Governing Access:

### Conditions Governing Access

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

Title/Description	Instances
Map collection	box 15

A

### Scope and Contents note

Atlantic Coast. Primarily New York City and State and Ocean.

Conditions Governing Access:

### Conditions Governing Access

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

B-C

### Scope and Contents note

Balkans; Black Rock Forest (N.Y. State).

Canadian-Pacific Railroad.

Canadian Rockies.

Chamonix.

Colorado.

Crater Lake.

Conditions Governing Access:

**Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

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D-G

**Scope and Contents note**

Dauphiné-Savoie.

England.

France.

Glacier Park.

Grand Canyon.

Grand Tetons.

Conditions Governing Access:

**Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

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I-M

**Scope and Contents note**

India.

Italy.

Katahdin.

Lac St. Jean.

London.

Manhattan.

Marcy.

Massachusetts.

Mexico.

Monadnock.

Moscow.

Mt. Desert.

Mt. Mansfield.

Mt. Rainier.

Mt. Washington.

Conditions Governing Access:

**Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

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N-R

**Scope and Contents note**

New England.

New York State.

Paris.

Pennsylvania.

Placid.

Pound Ridge.

Quebec.

Rainy Lake.

Rocky Mt. National Park.

Conditions Governing Access:

**Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

S-V

### **Scope and Contents note**

Scotland.

Seattle.

South America.

Soviet Union.

Switzerland.

Vermont.

Conditions Governing Access:

### **Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

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W-Z

### **Scope and Contents note**

White Mountains.

Wisconsin.

World map.

Wyoming.

Yosemite.

Zermatt.

Conditions Governing Access:

### **Conditions Governing Access**

Due to the nature and potentially brittle condition of the contents of the map collection, special arrangements may be required in order to view materials. Individual items may be restricted due to preservation concerns.

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**War contract work, 1941-1945**

## Scope and Contents

In 1940 Dr. Vannevar Bush was authorized to form the National Defense Research Committee which in 1941 was absorbed by the Office of Scientific Research and Development. Under the direction of Dr. Bush, Dr. Conant of Harvard was in charge of the research done on chemistry and explosives. Problems were farmed out on contract to universities and other existing installations. Two such contracts, OEMsr-130 and OEMsr-350 were arranged with The Rockefeller Institute for Medical Research with Duncan MacInnes as the senior investigator. On the OEMsr-130 contract much of the laboratory work was under the supervision of Donald Belcher.

Title/Description	Instances
War contract OEMsr-130	box 16

Arrangements. Correspondence, 1941 February-1945 June

### Scope and Contents note

Correspondents include:.

Bush, Vannevar.

Byfield, Abbott.

Chadwell, Harris M.

Feiser, Louis F.

Johnson, Warren C.

MacRae, Duncan.

Sherwood, T.K.

Apparatus, 1941 July-1942 October

Program, 1940 September-1943 July

Materials, 1941 December-1945 April

Property-accounting. Disposal of HS, 1945 April-1946 [July?]

Personnel. General correspondence, 1941 July-1945 May

Personnel

### Scope and Contents note

Alphabetical by name of assistant.

Belcher, Donald.

Belove, Louis.

Best, Robert.

Bodner, Harry.

Borstelmann, Joseph.



Bradshaw, Benjamin C.

Bundy, W.S.

Gand, Rudolph.

Jackowski, Joseph.

Longworth, L.G.

Shedlovsky, T.

Sohmer, Martha.

Tait, Andrew.

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Reports, 1941-1945

**Scope and Contents note**

Mainly correspondence about work done in other installations and brief reports of work done at RIMR transmitted in letter form, primarily by Donald Belcher.

Includes memoranda on Edgewood Spray Tests (DuPont Co.) July/Aug. 1943.

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Meetings, 1941-1944

**Scope and Contents note**

Includes correspondence and minutes.

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Travel. Vouchers and reimbursement records for travel on war contract, 1940-1945

**Scope and Contents note**

Includes some correspondence.

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War contract OEMsr-130

box 17

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Belcher, Donald. Correspondence., 1941-1945

---

Byfield, Abbott

**Scope and Contents**

Highlighted correspondent.

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McRae, Duncan

**Scope and Contents**

Highlighted correspondent.

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Sherwood, T.K.

## Scope and Contents

Highlighted correspondent.

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Belcher, Donald, 1940-1944

### Scope and Contents note

Correspondence Edgewood Arsenal 1943 correspondence with Texas Oil Company.

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Reports on War Contract

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Correspondence, 1941 July-1945 September

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Report receipts including final, formal and monthly, 1942-1943 1944-1945

---

Office file. Report receipts

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1941-1942

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1943

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1944-1945

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War contract OEMsr-350

box 18

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Vesicant abstracts including index

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War Department TM 1-282. "Tactics and Techniques of Air Chemical Spraying"

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Correspondence in one chronological file dealing with budget, contract arrangements, personnel, property accounting, meetings and travel

### Scope and Contents note

Correspondents include:.

Bush, Vannevar.

Stewart, Irvin.

Urey, Harold C.

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Contract, formal, 1946-1947

### Scope and Contents note

Office file of report receipts; final disposition including correspondence on declassification and photocopy of two declassified reports.

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Correspondence on patent, 1944-1945

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Correspondence on security clearance

## Scope and Contents note

Including requests for deferment from army service and includes fingerprints.

Belcher, Donald.

Best, Robert J.

Kobelt, Nina.

Longworth, Lewis G.

MacInnes, Duncan A.

Shedlovsky, T.

Taub, David.

Wyckoff, Irene E.

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Charge sheets for equipment and supplies, 1941-1945

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Special stamps

## Scope and Contents note

Signature D-Acct.

Signature F-Acct.

Confidential.

Secret.

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File of government communications and directives as maintained in Duncan MacInnes department      box 19

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## Arrangement note

Arranged under index as follows.

1:00 Activities of NDRC

2:00 Activities of OSRD

3:00 Activities of CMR (Alien property custodian)

4:00 Classified information documents or materials (see also Mail)

5:00 Contracts

6:00 Liaison office of the OSRD

7:00 Mail

8:00 Meetings (nothing found here)

9:00 Navy Department

10:00 Patents

11:00 Personnel-appointments

12:00 Personnel-clearance

13:00 Personnel-general

14:00 Personnel-identification

15:00 Priority ratings

16:00 Procedure-inter-office (see Mail)

17:00 Procedure-intra-office

18:00 Progress reports

19:00 Supplies (nothing found here)

20:00 Telegraph (nothing found here)

21:00 Telephones

22:00 Travel regulations

23:00 Visits to government departments or plants working  
on NDRC defense contracts

24:00 War Department

25:00 Equipment-office (nothing found here)

26:00 Equipment-miscellaneous (nothing found here)

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Guest book from FL. Montgomery Cottage, 1953-1972

package  
envelope

## Administrative correspondence and miscellaneous

Immediate Source of Acquisition note:

### Immediate Source of Acquisition note

File from Office of Faculty and Student Records received 10 February 1983.

Title/Description	Instances	
Administrative correspondence, 1926-1935	box 20	folder 1

Administrative correspondence, 1936-1945	box 20	folder 2
Administrative correspondence, 1946-1959	box 20	folder 3
Administrative correspondence, 1961-1966	box 20	folder 4
Miscellaneous, 1942-1948	box 20	folder 5

### **Scope and Contents**

Includes newspaper and magazine clippings re Nichols Medal 1942, and Acheson Medal 1948 (Feature article in "Chemical and Engineering News" 25 Oct 1948; Holograph notes by Detlev W. Bronk for MacInnes Memorial Service.

### **"Collected Reprints"**

Processing Information note:

#### **Processing Information note**

Relocated to RAC library 8/9/88