



THE MINNESOTA GEOLOGIST

OFFICIAL BULLETIN
OF
THE GEOLOGICAL SOCIETY OF MINNESOTA

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NO. 1

THE DEVELOPMENT OF A LIVELY CURIOSITY ABOUT THE
INNUMERABLE GEOLOGICAL FEATURES ON EVERY HAND,
TOGETHER WITH THE STUDY THAT WILL GRATIFY THAT
CURIOSITY, CANNOT FAIL TO MAKE ALL TRAVEL MORE
ENJOYABLE AND LIFE FAR RICHER FOR ANYONE.

RUSSELL C. HUSSY,

PROFESSOR OF GEOLOGY,
UNIVERSITY OF MICHIGAN.

G E O L O G I C A L S O C I E T Y O F M I N N E S O T A

Editors address
3376 Brunswick Ave.,
Minneapolis 16 Minn.

The Society is devoted to the study of GEOLOGY
and MINERALOGY for their cultural value.

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MEETINGS : October to May inclusive, 730 P. M. every Monday,
not a holiday, large auditorium, 4th floor, Public Library,
Hennepin Avenue and 10th Street, Minneapolis, Minnesota.

FIELD TRIPS : June until September inclusive.

ANNUAL DUES : Residents of Hennepin and Ramsey counties \$ 3.00
plus \$ 1.00 additional for husband, wife, or dependent family
members ; for students and non-residents, \$ 1.00.

M E M B E R

MIDWEST FEDERATION OF GEOLOGICAL SOCIETIES

* Deceased

EDITORS MEMO

It has been the custom of our Society to publish a membership directory every alternate year. Gathering the necessary information, the checking and rechecking of names, addresses, and phone numbers is a very slow and tedious process. We have, to the best of our ability, completed this project which Mr. Syme had just begun when he was taken ill. We trust you will allow for any errors or changes that have occurred since the directory was printed last December.

We sincerely regret that Mr. Fred L. Wunderlich, one of our Directors, suffered a heart attack several weeks ago while on a business trip to Des Moines Iowa. We understand he will be hospitalized at the Des Moines Methodist Hospital for several more weeks. We wish him a speedy recovery and a pleasant convalescence. In the meantime, let's keep sending those cards and letters.

Your board of Directors has planned a most interesting program for the remainder of the lecture season which terminates April 25th. After scanning the Bulletin Board we feel sure you won't want to miss a single lecture.

BULLETIN BOARD

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|-------------|--|
| February 14 | Pleistocene geology. By DR. W. C. BELL. |
| February 21 | Geology of the Grand Canyon of Arizona.
By DR. W. C. BELL. |
| February 28 | Geology of the Grand Canyon continued.
By DR. W. C. BELL. |
| March 7 | Pictures of the Grand Canyon region. By JUNIOR F. HAYDEN and SALE and AUCTION of ALGER SYLIE'S rock and mineral specimens. |
| March 14 | Speaker - DR. H. E. WRIGHT.
Subject : Undetermined. |
| March 21 | Speaker - DR. JOHN F. GRUNER.
Subject 1. Origin of Minnesota iron and taconite ore.
2. Importance of Lake Superior region for the steel industry.
3. Utilization of taconite. |
| March 28 | Speaker - DR. GEORGE A. THIEL.
Subject : Geology of the Twin Cities area.
This will be an open meeting with the Science Museum Society. |

EDITORS NOTE : Recently we received a letter from Mrs. Helen J. Sommers, who with her husband is traveling in Europe and Africa. We were so fascinated by her description of the Geological aspects of the trip through Italy and France that we felt you would find it equally interesting and enjoyable. Thus we are passing it on to you.

A NOTE FROM FRANCE

As we came through a notch at the top of a long mountain climb, before us stretched the strangest tortured world of white limestone, eroded into canyons and caves and bare of all vegetation. Its heights were outlined against the horizon in fantastic startling shapes.

Along a band at a certain level well below the top were rectangular openings of various sizes cut into the exposures of the rock, sometimes in ravines, sometimes on cliffs. These were openings into quarries. For hundreds of years this rock has been quarried. It is the stone used at Geneva for the League of Nations.

No words can adequately picture these vast subterranean chambers and galleries. Our mushroom and Ford plant caves are nothing. The rectangular character of every turn and wall makes a majestic architecture akin to the Egyptian temples. In one chamber someone has carved a modern Venus. I wondered what future archeologists, coming upon that figure and the names so freely scrawled upon the walls, would deduce as to our civilization.

The region is called Les Baux and is about 100 miles northwest of Marseilles.

Now as to what really prompted me to write. Descending the mountains, we came to the next layer, a band of reddish shale. When this shale was tried in pottery, it was found to contain aluminum. So here was a real type section, and the origin of the name of the ore of aluminum because of the neighboring town of Baux - bauxite.

Did't my mind fly back to Pillsbury Hall and Dr. Gruner's laboratory where I first saw and touched bauxite ! Little did I dream of ever seeing the type section itself. All I hoped was by some miracle to identify the mineral in a test.

Helen J. Sommers.

In Memoriam

It is always a sorrow to lose any of our good friends, and it is particularly so when they are a dependable and agreeable companion on our country-wide trips seeking information concerning how our world came to be as we find it today. And it may come as a shock as well as a sorrow to those who had no inkling of the fact the last farewell was here and gone before they had warning that it was impending. That such should not be may well be said, for a Chinese philosopher warned us centuries ago: "Stop, think; it is later than you know". But, with all the philosophy we may apply, it is still difficult to comprehend why one who, to all appearances, was vigorous and strong and was always in his place among us, should suddenly drop by the wayside and leave a vacant chair.

Mr. Rowberg was of a retiring disposition, never seeking to be in the lime-light, thus, perhaps, was not well known to some of our members. But to those of us who, fortunately, have known him well enough to penetrate the shell of his natural reserve and have learned to know him for his intrinsic worth, he was highly regarded for his exact knowledge of the worth-while status of the numerous subjects of interest around us. He was a real student, one who actually studied a subject intensively, then carefully pursued it in intensive thought to its logical conclusion. When he reached that conclusion and he could find no flaw in his reasoning, he steadfastly defended the final results. Such results were the foundation of his religion.

In the field he was untiring in his search for material that was new or of added interest to him, and wherever he wandered he was forever seeking and finding, objects that were new to him and of such interest as to lead him to spend long hours poring over the various literature pertaining to the subject at hand.

I was greatly impressed by an example of his keen observation when, on the north shore, he found at the margin of a small stream a tiny form of life that camouflages and protects itself against its enemies in an interesting and unusual manner. It covers its whole body with tiny flakes of sand and gravel, these flakes of rock adhering tenaciously by virtue of a viscid secretion of the skin glands. As this secretion appears to be insoluble in water, where this small form spends its larval span of life, it is always well armored as well as camouflaged against the onslaughts of potential enemies. It is not at all uncommon in Minnesota, but it is seldom recognized by those who have not been previously instructed concerning its habits. When I informed him that he held in his hand the larval life stage of a very interesting form of life he was keenly interested but was unsatisfied with what I was able to tell him of its life history. He, afterward, spent hours reading additional accounts of its habits.

Mr. Rowberg was thorough in all that he attempted and he seemed to be tireless in his pursuit of knowledge. His chief aim was to acquire exact information, his obsession was to be correctly informed. With these acquired tools he had fashioned his own philosophy of life, a philosophy he steadfastly believed in, lived by and logically maintained to the end.

All who knew Mr. Rowberg well will regret that their little world will not be quite the same with his passing.

'Tis not the form whose labor did not end -
Nor, yet, the firm right hand, nor balanced head -
We mourn the loyal heart, the trusted friend,
Rowberg - a name that lives till we be dead.'

Dr. Leslie O. Dart.

In Memoriam

Alden J. Clark who passed away on December 13, was born at Peacham, Vermont February 1, 1882. Following his graduation from Peacham Academy, a noted New England school of that day, he came to St. Paul Minn. In 1904 he moved to Fargo N. Dak. entering the employ of the A. L. Moody department store. He later became manager and a partner in the Moody Clark Co.

Ill health forced him to retire from the department store and to spend some years in the Rockies. Mr. Clark and his family moved to Virginia City Montana where he was associated with the Virginia City Mining Company. It was at this time that he became interested in geology and one of his greatest sources of pleasure was derived from attending lectures at the Montana School of Mines.

In 1895 he moved to Cottage Grove Minn. While living in Cottage Grove Mr. Clark was constable for a time.

At the time of his death he was associated with W. F. Andrews Co., real estate dealers in Minneapolis.

Mr. Clark married Florence Emily Dick of Afton Minn. in 1903. They have two daughters, Mrs. (Virginia) Jensen of Fargo N. Dak. and Mrs. J. C. (Dorothy) Kenny of Park Rapids N. Dak. In addition to his wife and two daughters Mr. Clark is survived by six grandchildren.

His enthusiastic interest in geology was as much a part of him as was his genial personality. He had many friends in the Society and they deeply regret his passing. We extend to his family our sincere sympathy.

L. E. K.

GEOLOGICAL SOCIETY OF MINNESOTA

DIRECTORY

Oct. 1, 1948

Aarnes, Henry	Mechanic	3928 Baltimore	K. C. Mo.2	WE8898
Addy, J. R.	Contractor	5024 42nd Ave. So.	Mpls. 6	DR2938
Addy, Margaret H.	Housewife	5024 42nd Ave. So.	Mpls. 6	DR2938
Allen, Mrs. Elsie A.	Bookkeeper	407 So. 10th St.	Mpls. 2	MA6501
		2610 Aldrich Ave. So.	Mpls. 8	PL7202
Alexander, Hugh S.	Teacher	Macalaster Colloge	St.Paul 5	EM1361
		1710 Portland	St.Paul 5	MI3725
American Museum of Natural History		Central Park West at 79 St.	New York	City 24
Anderson, Mrs. Clinton E.		R. R. # 4	Ravenna Ohio	
Anderson, Gladys E.	Supervisor	Mpls. Moline	Hopkins 8	HO7671
				Ext320
		3224 So. Bryant	Mpls.	LO2340
Anderson, Marion S.	Housewife	3251 Ulysses St. N. E.	Mpls. 18	GR1469
Anderson, Hjalmer E.	Insurance	111 W. 5th St.	St. Paul 2	
Anderson, Mrs. W. S.	Housewife	804 1st St. W.	Northfield	Minn.
Angst, Alice D.	Pub. Health Nurse	2833 Irving Ave. So.	Mpls. 8	KE6067
Bauer, Paul	Real Estate	415 2nd Ave. So.	Mpls. 1	AT2445
Bauer, Dorothy	Housewife	4912 Harriet Ave.	Mpls. 9	CO8506
Bean, Ernest F.	State Geologist	115 Science Hall	Madison 6	Wis.
Becker, Mrs. Helene M.	Teacher Math.	Murray High School	St.Paul 8	MI9195
Becker, Rudolph A.	Railway Clerk	2006 Dayton Ave.	St.Paul 4	MI3519
Bell, Dr. W. C.	Teacher	U of Minn. Geol. Dept.	Mpls. 14	MA8177 ext6314
		2502 Beverly Road	St.Paul 4	NE0525
Bennett, Russell H.	Mining Engr.	1601 Foshay Tower	Mpls. 2	MA8051
		2217 E. Lake of Isles Bl.	Mpls. 5	KE1154
Benitt, (Mrs) Linda	Farmer	RFD # 3	Hastings	CO416
Beran, Libbie	Tgh. Recorder	320 E. Wis. Ave.	Milwaukee	Wis.
		1820 W. Maincke Ave.	Milwaukee	6 Wis.
Berkey, Dr. Charles P.	Prof. of Geol.	Columbia University	New York	27
		1076 Cumbermede Road	Palisade	NJ.
Blackwell, Edw. L.	Engineer	1819 Lyndale Ave. So.	Mpls. 5	KE7664
Blackwell, Richard K.	Student	1819 Lyndale Ave. So.	Mpls. 5	KE7664
Bordeau, S. P.	Engr.	821 2nd Ave. S. E.	Mpls. 14	LI5881
		2223 France Ave. So.	Mpls. 5	KE7355
Brewster, Lucille	Res. Dir. YWCA	123 West 5th St.	St.Paul	CE3741
Brosch, Carlos D.		Rua Alfredo Elis 197	Sao Paulo	Brazil
Brown, Elmer H.	Engr.	176 E. 5th St.	St.Paul 1	CE7773
				Ext271
		5225 Zenith Ave. So.	Mpls. 10	WA2438
		1766 James Ave. So.	Mpls. 5	KE7807
Burch, Mrs. Harriet	Housewife	222 Kellogg Blvd.	St.Paul 1	
Burt, Margaret	Housewife		Cambridge	Mass.
Cannon, Mrs. W. B.	Housewife		Mpls. 9	RE2261
Caverly, Doris E.	Stenographer	4407 Pillsbury Ave. So.	Mpls. 9	CH1397
Christensen, T. F.		5900 Lyndale Ave. No.	Mpls. 15	MA3405
Clark, Aiden J.	Indus. Prop.	220 Saxon Bldg.		4910
		Cottage Grove Minn.		136
Clem, George I.	Ins. Real Est.	Pine City Minn.		486J
Clem, Mrs. George I.	Housewife	Pine City Minn.		38
Cole, Orlando C.	Editor	Kenyon Minn.		

Cole, Mrs. Orlando C.	Housewife		Kanyon Minn.	154	
Collins, Mrs. H. O.	Housewife	2833 Irving Ave. So.	Mpls. 8	KE6067	
Cooper, Mrs. W. F.	Housewife	R 3 Box 400	Hopkins Minn.	HO7156	
Corbett, Dr. J. Frank	Physician	623 E. 15th St.	Mpls. 4	GE3424	
Cornica, Dr. Albert D.	Physician	527 LaSalle Bldg.	Mpls. 2	BR4829	
Cornica, Mrs. A. D.	Housewife	1323 Emerson Ave. N.	Mpls. 11	CE2824	
Cronander, Einar		1009 3rd Ave. N. E.	Mpls. 13	LI2940	
Cutting, E. A.	Farmer		Byron Minn.	3852	
Dalstrom, C. E.	Civil Engr.	State Highway Dept. Lab.	Mpls. 14	GE6827	
Dart, Dr. Leslie O.	Physician	University of Minn.	Mpls. 2	AT5144	
Davis, Dorothy M.	Vots. Admn Regional Office	Hotel Curtis 462 So. Saratoga Ave.	St. Paul 5	EM3914	
Donkowitz, Paul	Retired	167 E. Island Ave.	Mpls. 1	LI1045	
Dordiger, Caroline V.	Vot. Adm. Facility	3122 15th Ave. So.	Mpls. 17	DR8213	
Dickson, Erhard	Farmer	Route 1, Box 36	Harris Minn.		
Dodge, Mrs. John		715 W. Jackson St.	Madford Oregon		
Dostal, Dr. D. W.	Dentist	5113 Arden Ave.	Mpls. 10	WH0026	
Dyer, Mrs. Dorothy	Asst. Prof. U of M	622 Lincoln Ave.	St. Paul	DA9116	
Dyregrov, David	Student	4630 France Ave.	Mpls. 10	WA6375	
Dept. of Interior	U. S. geol. Survey	Library	Washington 25 D. C.		
Edgerton, H. H.	Retired Engr.	607 Lincoln Ave.	St. Paul 2	DA1529	
Eggens, Dr. P. H.	Dentist	1006 W. Lake St.	Mpls. 8	MA7911	
		5028 Zenith Ave. So.	Mpls. 10	WA9377	
Ekstrand, Arthur W.	Mpls. Honeywell Co.	3603 Clinton Ave. So.	Mpls. 8	RE6975	
Eliason, E. B.	Retired	Hotel Royal 88 W 7th	St. Paul 2	CE2785	
Elverum, Arnold		429 Fry	St. Paul 4		
Engen, J. O.	Teacher	Edina Pub. School	Mpls. 10	WA2025	
		5317 Chouen Ave. So.	Mpls. 10	WA4054	
Evans, Dorothy	Housewife	3905 Morningside Rd.	Mpls. 16	WA6075	
Fenton, Ruth	Stenographer	Cool. Dept. U of M.	Mpls. 14	MA8177	
		901 21st Ave. S. E.	Mpls. 14	Ext214 GL3822	
Flooner, Frank L.	Retired Prof.	222 So. Park Road	Joliet Ills.		
Fliegel, Joe	Metal Business	3409 Colfax Ave. So.	Mpls. 8	LO6345	
Fliegel, Mrs. J.	Housewife	3409 Colfax Ave. So.	Mpls. 8	LO6345	
Foster, Thos. I.	Lawyer	1748 W. Minnehaha Ave.	St. Paul 4	NE5709	
		406 Ancher Bldg.	St. Paul 1	CE5776	
Froeman, Mrs. H. G.	Housewife	5926 Oxford St.	Mpls. 16	WA0618	
Fritter, Mrs. E. G.	Housewife	3025 Stevens Ave.	Mpls. 8	CO3954	
Gardiner, Lynn	Instr. of Cool.	University of Minn.	Mpls. 14	MA8177	
		428 14th Ave. S. E.	Mpls. 14	GI2165	
Gee, Jean	Nurse	U of M Hospital	Mpls. 14	MA8177 Ext352 MA1848	
		1419 1st Ave. So.	Mpls. 4		
Geological Society of America		419 West 117th St.	New York 27		
Geology Department		Carlton College	Northfield Minn.		
Geology Department		University of Iowa	Iowa City Iowa		
Gilbert, Cynthia C.	Student	412 Holly Ave.	St. Paul 2	EL3962	
Gleason, John L.	Mortician	2617 16th Ave. So.	Mpls. 7	RE5207	
Gould, Dr. L. M.	College Pres.	Carlton College	Northfield Minn.		
Green, Catharine F.	Teacher	3824 Nicollet Ave.	Mpls. 8	CO9138	

Green, Walter M.	Retired	2718 Lincoln St. N. E.	Mpls. 18	GR3082
Grimo, Edwin M.	Civil Engr.	215 So. Lexington Pkway.	St. Paul 5	EL2755
Grouse, Dr. Frank F.	Prof. of Geology	Pillsbury Hall U of M 911 19th St. S. E.	Mpls. 14	MAB177 Mpls. 14 GL5723
Grove, Herbert S.	City Water Dept.			Stillwater Minn.
Gruber, Laura		2025 E. River Road	Mpls. 14	BR0126
Gruner, Dr. John W.	Prof. of Geology	Univ. of Minn. 527 7th St. S. E.	Mpls. 14	MAB177
Gustafson, Mrs. E.	Teacher	2229 Deswell Ave.	Mpls. 14	GL3489
Heire, Wm. E.	Retail Drug		St. Paul 8	ME3263
Hale, Lloyd		2112 Newton Ave. So.	Mpls. 5	KE4410
Hall, Henry B.		840 Osceola Ave.	St. Paul 5	EL5009
Hall, Mrs. Henry B.	Housewife	840 Osceola Ave.	St. Paul 5	EL5009
Hall, Miriam A.	Student	4044 43 Ave. So. P. O. Box 2623	Mpls. 6	
Halsey, Sarah E.	Housewife	2100 Bryant Ave. So.	Mpls. 5	KE1998
Hanson, Minnie	Daytons Alt. Dept.	3021 Hennopin Ave.	Mpls. 8	PL1513
Hargrove, H. B.		423 W. Diamond Lake Rd.		CO4320
Hargrove, Jane	Housewife	423 W. Diamond Lake Rd.		CO4320
Hargrove, L. D.		320 2nd Ave. No.	Mpls. 1	PL4783
Hargrove, Helen	Housewife	5215 Belmont Ave. So.	Mpls.	PL4783
Harris, Merle J.	College Teacher	Genl. College U of M	Mpls. 14	MAB177 Ext6376
Harris, Ruth S.	Teaching Asst.	Genl. College U of M	Mpls. 14	MAB177 Ext6376
Havill, Chas. H.	Accountant	15 So. Lexington 600 Baker Arcade Bldg.	St. Paul Mpls. 2	MU2229 AT2112 Ext272
Havill, Mrs. Chas. H.	Housewife	5450 Bryant Ave. So.	Mpls. 12	HY4206
Hawley, Edw.	Lawyer & Teacher	97 Arthur Ave. S. E.	Mpls. 14	GL1031
Hayden, Junior F.	Vice-Pres. of	200 No. 2nd St.	Mpls. 1	GE3391
Hendrickson, M. J.	Lab. Asst.	Co. 2304 Harriet Ave. 25th St. N. W.	Mpls. 5	KE5405
Hennessey, Kathryn S.	Secretary	302 So. Ind. 15 So. 5th St.	Mason City Ia. Mpls. 2	IA.985 MA6251
Hepworth, Mrs. A. T.	Housewife	2633 Humboldt Ave. So.	Mpls. 8	KE2223
Hildebrandt, H. A.	Housewife	1326 So. 9th St.	Mpls. 4	AT4700
Hiller, Dr. W. R.	Dentist	4110 Bescher St. N. W. 705 W. Broadway	Wash. D. C. ? Mpls. 11	HY5594 Robbinsdale 12 HY6169
Hinchley, Elsie R.	Science Teacher	373 Goodhue Ave. 1230 Stanford	St. Paul 2 St. Paul 5	CL1142 EK9751
Hitchcock, Frank M.	Credit Man Partridge Co.	4844 Colfax Ave. So.	Mpls. 9	CO3253
Hitchcock, Jessie C.	Librarian U of M.	4844 Colfax Ave. So.	Mpls. 9	CO3253
Hollingsworth, Ralph	Retired	747 Madison St. N. E.	Mpls. 1	BR5604
Horn, James	Retired	1150 So. Webster		Green Bay Wis.
Howard, Charles B.	Lawyer	1260 NW Bank Bldg.	Mpls. 2	MA4487
Howard, Dorothy	Housewife	2409 W. 52nd St.	Mpls. 10	JA1806
Hughes, Frank C.	Retired	Leamington Hotel	Mpls. 2	AT6161
Hunter, Lucille	Librarian	Library 103, U of M.	Mpls. 14	MAB177 Ext446
Jackson, Elsie B.	Credit Clerk Nor. States Power	2214 Sharon Ave. S. E. 15 So. 5th St.	Mpls. 14 Mpls. 2	MA6251 Ext220
		Curtis Hotel	Mpls. 2	AT5144

Johnson, E. A.	Mgr. Wheeling Corrugating Co.	5129 Woodlawn Blvd. 145 26th Ave. S. E. 3316 46th Ave. So.	Mpls. 6 Mpls. 14 Mpls. 6 Mpls. 5	DU6034 GL5995 KE3823 EM2542
Johnson, Ebba				
Keller, Mrs. H. E.	Housewife	2317 Bryant Ave. So.	Mpls. 5	KE3823
Kellerman, Dr. Edw. S.	Dental Officer Vots. Admn.	1682 St. Clair Ave.	St. Paul 5	EM2542
Kellerman, Mrs. E. S.	Housewife	1682 St. Clair Ave.	St. Paul 5	EM2542
Konrick, Mabel F.	Retired	1395 Forest St.	St. Paul 6	VA6237
Kortesz, Dr. G.	Physician	730 LaSalle Bldg. 1719 Dupont Ave. N.	Mpls. 2 Mpls. 11	GE1730 CH3808
King, E. A.	Farmer		Stewartville Minn.	
King, Fred S.	Insurance	166 VanBuren 7715 N. Ashland	Chicago 4 Chicago	HA6100 SH0617
King, Lawrence W.	Insurance	111 W. 5th St. 1829 Lincoln Ave.	St. Paul 2 St. Paul 5	GA4851 EM2555
King, Josephine M.	Housewife	1829 Lincoln Ave.	St. Paul 5	EM2555
Knapton, Irene	Librarian	Pub. Library 1231 Scheffer Ave.	St. Paul 2 St. Paul 5	GA3386 DL4166
Knox, Leon P.	Intl. Rov.	Fed. Bldg. 665 Summit Ave.	St. Paul 1 St. Paul 5	CE8033 Ext295 EL2826
Knox, Bill	Student		Fisher Minn.	
Kolderie, Anna	Housewife	2905 43 Ave. So.	Mpls. 6	DU0439
Kolderie, Dena	Secretary	2905 43 Ave. So.	Mpls. 6	DU0439
Koontz, Dr. S.	Dentist	U. S. Vots. Hosp.	Mpls. 17	DU2381
Koontz, Mrs. S.	Housewife	1701 Kerkos Ave. No.	Mpls. 11	CH2381
Koppen, E. L.	Testboardman	A. T. & T. Co. 3376 Brunswick Ave.	Mpls. 2 Mpls. 16	MA4112 WA3888
Koppen, Loretta E.	Housewife	3376 Brunswick Ave.	Mpls. 16	WA3888
Koppen, Walter J.	Farmer	312 So. 4th St.	East GrandFks.Minn.	
Kurtzo, Harry A.	Research Engr.	1701 Foshay Tower 4852 14th Ave. So.	Mpls. 2 Mpls. 17	MA2327 LO7637
Larson, Keith D.	Sen. Engr.	Sewage Tr. Plant 351 13th Ave. No.	So. St. Paul So. St. Paul	LA4181 LA5664
Lew, Mrs. Stanley	Housewife	2170 Wellesley	St. Paul	EM3872
Lawrence, D. B.	Teacher Dept. of Botany	University of Minn. 2420 34th Ave. So.	Mpls. 14 Mpls. 6	MA8177 EXT6425 DU8206
Little, Roy J.	Real Estate		Buffalo Minn.	369
Little, Myra	Housewife		Buffalo Minn.	369
Little, Dr. R. C.	Phys. & Surgeon		Mayville N. D.	D.21-8
Little, Mrs. R. C.	Housewife		Mayville N. D.	D.21-2
Lockhart, Mrs. Kath.	Bookkeeper	420 So. 6th St. 2635 Girard Ave. So.	Mpls. 15 Mpls. 8	MA8856 KE9098
Long, Miss Hattie	Teacher	Wash. School 303 Lake Ave.	W. Bear 10 W. Bear 10	WB258 WB203R
Longyear, Robt. D.	Pres. Longyear Co.	1701 Foshay Tower 1904 Humboldt Ave. So.	Mpls. 2 Mpls. 5	MA2327 KE1321
Lucius, Pearl		1741 Ashland Ave.	St. Paul 5	MI1593
Lund, Mrs. Grace		6000 Fremont Ave. No.	Mpls. 12	
Lundgren, Warren W.	Genl. Agent NW. Mutual Life	400 Guardian Bldg. 2274 Hillside Ave.	St. Paul 1 St. Paul 8	GA7695 MI8330
Lundgren, Mrs. W.W.	Housewife	2274 Hillside Ave.	St. Paul 8	MI8330
Lupient, Mrs. Mary	Housewife	212 S. E. Bedford	Mpls. 14	GL2634
Luther, Robert	Botsford Lbr. Co.		Waseca Minn.	

Madsen, Catherine B.		Slatters Court	Devis Calif.
Magrow, Elliot		2290 St. Clair Ave.	St. Paul 5 EMO102
Magrow, Mrs. Elliot	Housewife	2290 St. Clair Ave.	St. Paul 5 EMO102
Mandell, Dr. Edw. H.	Surgeon	Veterans Hospital	Mpls. 17 PA6920
Mandell, Elsa	Housewife	5252 Shoreview Ave.	Mpls. 17 PA6920
Markley, J. H.		4711 2nd Ave. So.	Mpls. 9 LO5453
Markley, Mrs. J. H.	Housewife	4711 2nd Ave. So.	Mpls. 9 LO5453
Marshall, John H.		1651 Charles Ave.	St. Paul 4
Marshall, R. Richard	Student	3124 Humboldt Ave. So.	Mpls. 8 LO8353
Mayotto, Mary	Housewife	5906 Clinton Ave.	Mpls. 9 RE7730
McGladrey (Mrs.) Margory	Secretary	1116 14th Ave. S. E.	Mpls. 14 GL5596
McLullen, Nancy	Student	5640 10th Ave. So.	Mpls. 17 COO929
McNulty, Corrine		2215 Lyndale Ave.	Mpls. 5
McRoberts, R. R.		4626 Emerson Ave. So.	Mpls. 9 LO7619
McWethy, Hal	Research Engr.	11th & Hennepin	Mpls. MA1214 Ext73
		2174 Doswell Ave.	St. Paul 8 MI1674
McWethy, (Mrs.) E. B.	Housewife	2174 Doswell Ave.	St. Paul 8 MI1674
Moad, Norman W.	Mining	Francis Drake Hotel	Mpls. 2 MA0561
Moad, Mrs. Norman W.	Teacher	Francis Drake Hotel	Mpls. 2 MA0561
Molons, Theodora	Librarian	Geology Lib. U of M.	Mpls. 14 MA8177 Ex6304
		530 5th St. S. E.	Mpls. 14 GE7940
		4824 Penn Ave. So.	Mpls. 10 WA5127
Merrill, Elmer E.	Retired	4824 Penn Ave. So.	Mpls. 10 WA5127
Merrill, Wilde K.	Housewife		St. Paul 1
Minnesota Historical Society			
Mpls. Science Museum Society		Pub. Library 10th & Henn.	Mpls. 3
Monserud, Wilma	Artist & Illstr.	908 E. 22nd St.	Mpls. 4 BR2025
Montague, Mrs. J. O.	Housewife	1026 E. Pleasant St.	Milwaukee 2 Wis.
Moore, F. J.	Retired	2733 Ewing Ave. So.	Mpls. 5 WA4269
Moore, Dr. George E.		723 S. E. Huron	Mpls. 14 GL5766
Morgan, William D.	Traffic Analyst	1764 St. Anthony Ave.	St. Paul 4 MI6200
Mrez, Miss Evelyn	Teacher	613 So. 9th St.	Brainerd Minn. 515J
Murray, Myra	Fed. Employee	Vets. Adm. Hosp.	Mpls. 17 DU2381
		2552 Garfield Ave. So.	Mpls. 5 CO5343
Nelson, Charles G.	Civil Engr.	Nor. Pac. Ry.	St. Paul 1 CE7773 Ext447
		4837 Garfield Ave. So.	Mpls. 9 WA4238
Nelson, Kathryn	Housewife	4837 Garfield Ave. So.	Mpls. 9 WA4238
Nelson, Donald	Accountant	2727 Buchanan N. E.	Mpls. 13 GR6388
Nelson, Minnie E.	Teacher	Corcoran School	Mpls. 7 DR4404
		Curtis Hotel	Mpls. 2 AT6144
Nesbitt, Zola P.	Housewife	1000 University Ave.	Mpls. 14 AT2719
Nieman, Arnold			Woodville Ohio.
Nixon, Mrs. A. F.	Housewife	2317 Bryant Ave. So.	Mpls. 5 KE3823
Nordberg, Reubon		2628 E. 22nd St.	Mpls. 6 AT1834
Nordling, Ethel	Teacher	5900 Humboldt Ave. No.	Mpls. 12 HY6448
		220 E. 19 St.	Mpls. 4 LI6331
Noerenberg, Winnie			Wayzata M. Beach 140
Olson, Melvin A.	Dean of Boys	North High School	Mpls. 11 HY9571
		4249 Abbott So.	Mpls. 10 WA6818
Olsen, Verna T.	Housewife	4249 Abbott So.	Mpls. 10 WA6818
Orlemann, George F.	Retired	Route 3	Brainerd Minn.
Orlemann, Mrs. Geo. F.	Housewife	Route 3	Brainerd Minn.
O'Shaughnessy, Edmond G.		238 Marshall Ave.	St. Paul 2 EL6809
O'Shaughnessy, (Mrs.) I.	Housewife	238 Marshall Ave.	St. Paul 2 EL6809

Parkhill, Ralph	Auto Elec. & Radio Service	111 4th St. S/ 612 W. Center	Rochester Minn.	2-1522
Parkhill, (Mrs.) Agnes	Housewife	612 W. Center	Rochester Minn.	6444
Paschke, Margaret	Teacher	396 Mescaloster St.	Rochester Minn.	6444
Pearl, Prof. Richard M.	Prof. of Geology	Colorado College	St. Paul 5	EM4571
Perry, H. T.		2501 Girard Ave. So.	Mpls. 5	KE1309
Peterson, George L.	Editor	Deaphaven Park	Deaphaven Minn.	
Preston, Charles H.	Cert. Pub. Acct.	610 Plymouth Bldg.	Mpls. 2	AT3389
		40 Linwood Road	Excelsior Minn.	DFH383
Prochaska, Mrs. E. J.	Housewife and Chemist	105 9th Ave. So.	Hopkins Minn.	HO9233
Prondzinski, E. J.	Architect	949 Plymouth Bldg.	Mpls. 2	MA0951
		5322 Russell Ave. So.	Mpls. 10	WA7491
Prondzinski, Mrs. E. J.	Housewife	5322 Russell Ave. So.	Mpls. 10	WA7491
Reisinger, Jos. H.	Foreman Koppers	1000 N. Hamline Ave.	St. Paul 4E	NE7800
		849 Totum St.	St. Paul 4W	Ext11
Reisinger, Mrs. J. H.	Housewife	849 Totum St.	St. Paul 4W	NE3576
Reese, Franklin L.	Manufacturer	712 7th Ave. So.	Mpls. 15	BR4634
Reese, Hortense	Housewife		Excelsior Minn.	EXC192
Remington, R. D.	Bldg. Mtl.	Box 59	Hibbing Minn.	24
		1101 Wisconsin St.	Hibbing Minn.	1264
Rickert, George A.	Limo Salesman	3246 No. Humboldt	Mpls. 12	CH2412
Rickert, Isobell F.	Housewife	3246 No. Humboldt	Mpls. 12	CH2412
Rickmire, A. P.	Lawyer	738 Midland Bank Bldg.	Mpls. 2	AT6557
		5826 Pillsbury Ave.	Mpls. 9	CO0931
Rickmire, Dorothea M.	Housewife	5826 Pillsbury Ave.	Mpls. 9	CO0931
Robinson, Vera M.	Librarian	U of M Library	Mpls. 14	MA8177
		5453 43 Ave. So.	Mpls. 6	Ext441
Robinson, George F.		5453 43 Ave. So.	Mpls. 6	PA1254
Rogers, Lee	Well Drilling	3140-48 Snelling	Mpls. 6	PA6668
		4213 Cedar Lake Road	Mpls. 5	KE7360
Roome, Barbara		1463 Sargent	St. Paul	EM6743
Rowberg, H. C.	Lawyer	612 NY Life Bldg.	Mpls. 2	BR1987
		Athletic Club	Mpls. 2	MA5151
Saupe, Arthur M.		1122 W. 3rd St.	Rod Wing Minn.	
Sawyer, R. E.		2530 Fillmore N. E.	Mpls. 13	ST1986
Sawyer, Mrs. R. E.	Housewife	2530 Fillmore N. E.	Mpls. 13	ST1986
Scharr, Lt. Alice D.	Army Nurse	Valley Forge	Phoenixville Pa.	
		General Hospital		
Schmidt, Clark D.	Retired	Vets. Hosp. Bldg. 6	Mpls. 17	
Schwartz, Dr. Geo. M.	Prof. of Geol.	Pillsbury Hall U of M.	Mpls. 14	MA8177
		237 S. E. Bedford	Mpls. 14	Ext411
Seaberg, Dr. John A.	Physician	Veterans Hosp.	Mpls. 17	GL1621
				DU2381
				Ext363
Seaberg, (Mrs.) Jennie	Housewife	Veterans Hosp.	Mpls. 17	DR8666
Seevoy, Guy A.	Retired	2525 S. E. 23 Ave.	Portland Ore. 2	EM1963
Scdgloy, Mrs. Adelaide	Housewife	1302 Harrison Ave.	Redwood City Calif.	
Seestrom, E. F.	Elec. Contr.	Francis Drake Hotel	Mpls. 4	MA0561
Seestrom, Mrs. E. F.	Teacher	Francis Drake Hotel	Mpls. 4	MA0561
Skillings, D. N.	Mining Review	810 Fidelity Bldg.	Duluth 2	
Smith, Anna M.		168 Edmond Ave.	St. Paul 8	CE4611
Smith, Mrs. Elinor F.		2910 Holmes Ave. So.	Mpls. 8	
Snoed, Miss Tholma	Bacteriologist	State Ofc. Bldg.	St. Paul	CE3013
		3352 47 Ave. So.	Mpls. 6	Ext373
				DR5083

Sommers, Henry S.	Retired	315 Newton Bldg.	St. Paul 1	GA8604
			Hudson Wis.	310J
			Hudson Wis.	310J
Sommers, Helen J.	Housewife		Mpls. 14	
Sperry, Harvey L. Jr.	Student	U of M P. O. 3495	Mpls. 18	ST1851
		2755 Pierce St. N. E.	Mpls. 14	GR2501
Spracher, Miss Macy	Seed Analyst	Northrop King & Co.	Mpls.	KE2079
		228 Thomas Ave. So.		
			Excelsior Minn.	
Steffins, Orson R.	Retail Lumber	Miller Voc. High Sch.	Mpls. 4	MA0381
Stevens, Ethel C.	Teacher	2726 Girard Ave. So.	Mpls. 8	KE3423
		924 6th Ave. So.	Mpls. 2	MA4776
Stolze, Mary	Housewife & Student	Lake Asphalt & Petr.Co.	St. Paul 4	NE2764
Straight, Clove M.	Gas & Oil	Linwood	Excelsior Minn.	
			Deephaven 496	
			Excelsior Minn.	
Straight, (Mrs.) Alice	Housewife	Linwood	Deephaven 496	
			Excelsior Minn.	
Suhr, Wesley Eugeno	Student	1471 Lincoln Ave.	St. Paul 5	EE5406
Sullivan, Ethel K.	Senior Sec'y.	U of M Library 107	Mpls. 14	MA3177
			Ext400	
			Mpls. 6	DR4695
Sullivan, Lindley D.	Student	3912 37 Ave. So.	St. Paul 4	MI1997
Swain, F. M.	Prof. of Geology	1596 Hewitt Ave.	Mpls. 14	MA8177
		Pillsbury Hall U of M.	Ext502	
			Mpls. 6	PA0444
Swanson, Ida M.	Bookkeeper	5109 43d Ave. So.	Mpls.	KE3683
		1921 Emerson No.	Mpls.	KE2079
		228 Thomas Ave. So.	Mpls. 9	RE1585
Syme, Mrs. Helen J.	Housewife	1352 W. Minnehaha Pkwy.	Hibbing Minn.	
Syme, Betty M.	Teacher	7 The Alexander	Mpls. 2	AT5728
Taylor, Dr. H. H.	Dentist	709 Phys. & Surgeons Bldg.	Mpls.	
		2420 Bryant Ave. So.	Mpls. 14	MA8177
Thiel, Dr. George A.	Prof. of Geology	Pillsbury Hall U of M.	Ext214	
			Mpls. 14	BR4684
			Onk Park Ill.	
Tingley, E. M.	Retired	1932 E. River Terrace	Mpls. 18	SE4320
Tinglow, Elmer E.	Stores Att'd.	221 No. Cuyler		7729
Torrance, Frank A.	Student	1430 Jefferson St.	Grand Forks N. D.	
University of N. D.		206 6 $\frac{1}{2}$ St. S. E.	Mpls. 6	PA6688
Voedisch, F. W.	Vice-Pres. Lane	Dept. of Geology	Mpls. 16	WH0867
	Western Co.	3140 Snelling Ave.	Winona Minn.	6997
Votruba, Frank J.	Barber	3137 Edgewood Ave.	Winona Minn.	
		164 E. 3rd St.	Mpls. 13	HY9538
		262 E. 3rd St.	Mpls. 2	MA0561
Wears, Mrs. Gretchen	Teacher	Patrick Henry High Sch.	Hibbing Minn.	
		Hotel Francis Drake	Rochester	22755
			Rochester	21024
Wells, Michael P.			Duluth	Me12811
Waters, Glen M.	Manufacturer	Waters Conley Co.	Duluth 4	LA1079
		1319 7th St. S. W.	St. Paul 3	HU4972
Weaver, Roger M.	President Std.	245 So. Lake Ave.	St. Paul 3	HU4972
	Salt & Cement Co.	5050 London Road	St. Paul	NE4688
		1238 E. Como Blvd.	Mpls. 18	GR3910
Wells, Cecil K.	Magazine Agt.	1238 E. Como Blvd.	Mpls. 9	CO4641
Westmark, Mauritz V.	Highway Engr.	1246 University Ave.	Mpls. 8	PL7202
Westmark, Elsie B.	Housewife	2310 St. Anthony Blvd.	Mtka. Beach Minn.	
Wheeler, Maids B.	Housewife	4541 Colfax Ave. So.	Joliet Ill	6144
Wildes, Carleton A.		2610 Aldrich Ave.	Ext20	
Williams, Edwin C.	Retired		Joliet Ill	3-1278
Wilson, Bon Hur	Teacher	H. S. & Junior College		
		406 Grover St.		

Wilson, Ruth B.	Teacher	Route 3, Box 303	Excelsior Minn.	Dph740
Wilson, Wm. C.	McQuay Inc.	1600 Broadway N. E.	Mpls. 18	GR7224
		118 W. 33d St.	Mpls. 8	CO3795
Winchell, Alexander N.	Retired	88 Vineyard Road	Hamden 14 Conn.	2-7115
Witte, Paul O.	Clerk N. S. Power	15 So. 5th St.	Mpls. 2	MA6251
				Ext225
		2414 E. 43d St.	Mpls. 6	DR2738
Woltman, Dr. Henry W.	Physician	Mayo Clinic	Rochester Minn.	2-2511
		848 9th Ave. S. W.	Rochester Minn.	3485
Woodworth, Lois	Teacher	Sch. of Bus. Admn.	Mpls. 14	MA8177
		University of M.		Ext285
		119 Cecil St.	Mpls. 14	
Wright, Dr. H. E.	Asst. Prof. of Geology	University of M.	Mpls. 14	MA8177
Wunderlich, Fred L.	Traffic Supvr. Telephone Co.	224 So. 5th St.	Mpls. 2	MA4112
				Ext221
Wunderlich, (Mrs) Ecel	Housowife	2285 Gordon Ave.	St. Paul 8	MI2616
Young, Samuel T.	Retired	2285 Gordon Ave.	St. Paul 8	MI2616
Youngdale, E. W.		3321 Aldrich Ave.	So. Mpls. 8	LO1802
Zalusky, Joseph W.	Planning Engr.	538 Builders Exch.	Mpls.	GE7475
Zalusky, Lulu	Housowife	4004 Bryant Ave.	So. Mpls. 8	CO7243
Zickrick, Theo	Teacher	Standish School		
		17 E. 24th St.	Mpls. 4	BRO227

PUBLICATIONS.

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Earth Science Digest	Eisenberg, Jerome M.	Rovero Mass.
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