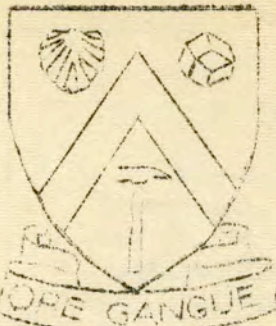


J.B. Mawdsley

University of

Saskatchewan



CONCENTRATES

Edition No. 1

March, 1937

THE FIRST EDITION-

This first attempt to publish an official organ for the "Ore Gangue", is the result of many lunch hour "bull sessions". The manner in which the grads that have gone out into the world have kept in touch with the Geology Department is very gratifying. The chain letter idea has obtained some good results, but has proved rather cumbersome. It is our desire therefor, to inaugurate a method by which the grads can keep in contact with the "Ore Gangue", and with one another. This will make the Ore Gangue a large and widespread club.

It is possible, that many improvements can, and will, be made in subsequent editions, and any suggestions will be appreciated. At the present time it is planned to print two editions a year, one during the fall, and one during the spring term. As the "Ore Gangue" increases in size and affluence, a larger and more elaborate magazine may be expected.

It is hoped that all the grads will co-operate by keeping in close touch with the Geology Department. A long letter treating their own activities, and activities with which they are associated- one for the fall edition, as soon as the fall term opens, and one for the spring issue, as soon after the New Year as possible, would be greatly appreciated. Our aim is to keep the "Ore Gangue" 100% through the years to come- and that means you.

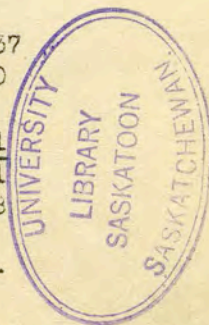
Ye Editor, *L. Hill*

OUR GROWING DEPARTMENT

The following data, compiled by Dr. Mawdsley, shows the steady increase in the Geology Department. Students registered in Geology classes in the various years since 1929, are as follows:-

General Geology	29-30	30-31	31-32	32-33	33-34	34-35	35-36	36-37
(Arts & Eng.)	42	44	125	119	104	94	104	100
Advanced Classes								
(Student Classes)	7	27	25	19	31	64	94	71
Total	49	71	150	138	135	158	198	171
Ore Dressing & Metallurgy, or Mining							11	8

In 1931, all engineers were required to take geology, and this resulted in large classes for that and the following years. In 1936-37, there are four students registered in Geological Engineering, two in the fourth year, and two in the third year.



OUR FACULTY



Dr. J. B. "Hardrock" Mawdsley

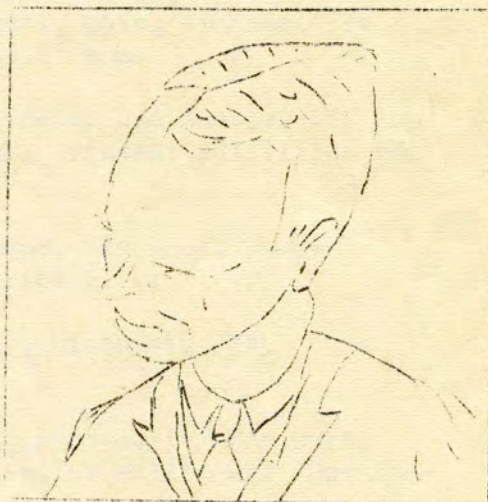
The eminent head of our Geology Department, which he is rapidly building up, in size, and importance. Renowned for his ability to find quartz in a rock slide, and for "thinking in terms of". Added the fourth edition to his family this year.

We suggest, that he put Molly, in full charge of his office to put new life into his filing system.

Professor F. H. "Sedimentary" Edmunds

Prof. Edmunds, shares the work, of the Geology Department, with its head. He is rapidly correlating the sedimentary strata (No, boys, those bags are'nt just toys). Has visions of oil gushers in Saskatchewan.

Arrived on time for the banquet when the liquid refreshments were free.



Another member of the faculty, Professor A. K. Atkinson, of the Engineering Department, has been closely associated with our group for the past few years. To him we owe a great deal of our ability to visualize. In fact no member of his Descriptive Geometry class need starve, even in the desert. Just visualize up a steak and some shipped potatoes, not to forget the beer, and go to work. We thank him for his many considerations and helpful advice.

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This spring saw a real spring cleaning of the lab, in anticipation of a visit from the President of the Carnegie Fund. The accumulations of years of dust were removed, reagent bottles washed, rocks that had been laying around for years were replaced in their proper places. In this respect then, the lab was hardly recognizable. This foreign aspect only lasted a couple of days, and the lab is well on the way back to its former appearance.

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NOTICE

In order to defray costs, we propose, to charge .10¢, for this magazine. Mail or hand in your contribution to F. H. Edmunds, Geology Department, or to Erle Crull.

NEWS OF GLADS

- Allen, R. B., /36, Central Patricia Mines, Pickle Crow, Ont.- has been with Central Pat since graduation, and was promoted to geologist in Feb. 1937. Successful Xmas celebrations aided and abetted by Valde and Tallman, B. E.'s Sask., 1936.
- Baker, Jack, /36, c/o Ketan Gold Areas Ltd., Kisumu, Kenya, Africa-mapping and prospecting half of Africa. Reports some results as regards gold, but claims expedition failure, as there are no lions within ten miles. Busy digging tse-tse flies and malaria. Writes long interesting letters to the Ore Gange, which are greatly appreciated.
- Croteau, F. I. /36, 153 Balsam St. S., Timmins, Ont.- doing examination and development work under Mr. Hatch, Consultant Mining Engineer.
- Elsley, Byron, /36, University Club, University of Wisconsin, Madison, Wisconsin, U. S. A.- post-graduate work in geology, and has his own office. Attended G. S. A. meeting in Cincinnati, Ohio, at Xmas. Is under direct glare of Wincheel of Winchell 1,2,3 fame.
- Garnett, R. C., /32, c/o Miss Erma Garnett, Proctor and Gamble, 170 Bay St., Toronto, Ont.- doing some assay work. Present activities not known.
- Hart, E. A., /36, c/o H. S. Wilson, Bourlamacque, Vis Amos, P. Q.- Mining geology work in Bourlamacque district P. Q.
- Hage C. O., /29, G. S. C., Ottawa, Ont.- M.Sc., Wisconsin /32.
At present on the staff of the G. S. C.
- Hogg, V., /35, Oba, Ont.- spent summer of 36, prospecting for Cyril Knight, and later Dr. James. Also sampling at Hollinger. Now managing diamond drill crew at Oba.
- Landes, R. W., /32, - completing his post-graduate work for Doctors degree at Princeton University, on Proctor Memorial Fellowship, and is giving the fossils a run for their money.
- Malouf, S. E., /34, McGill University, Montreal, P. Q.- doing graduate work in geology, also Malouffing. Owns a motor bike that is objected to by Montreal Police.
- Moss, A., /36, 3562 Iorne Ave, Montreal, P. Q.- doing graduate work in geology. Expects to work for Dr. W. F. James & J. E. Gill, consulting geologists, during the 1937 season,
- Nicholson, T. A. E., /32, Tuxford, Sask.
- Nordal, J., /34, Theodore, Sask.- Iceland during 1936, but apparently Canada has greater attraction for him.
- Parres, J. C., /36, Thetford Mines, P. Q.- at Yellowknife, N.W.T., during 1936. Has recovered fully from illness that forced him to come out. Now on mining engineering staff of Asbestos Corporation of Canada, Thetford Mines, P. Q. Expects to return to Yellowknife in spring to develop property.

Robinson, W., /36, Dusquesne Mines, Renault, via Noranda, P. Q.,- G.S.C. summer of 1936, now in charge of diamond drilling and surface development, Dusquesne Mine.

Scott, J. S., /35, c/o Les Croteau, 153 Palsam St. S., Timmins, Ont.,- Athabaska region till end of 1936, now employed by Mr. Hatch, consulting mining engineer. Has recently joined Benedicts.

Shaw, G., /32, 585 O'Connor St., Apt., 19, Ottawa, Ont.,- Master of Science McGill /34. Prospecting in Quebec for three years, with Ceres Ltd, Prospecting in Quebec during 1936.

Stewart, G., Beavertail Lake, c/o Arrow Airways, Channing, Man.,- not a grad, but an active member who keeps in close touch. In charge of a drilling crew.

Thompson, M. C., /36 c/o Kentan Gold Areas Ltd., Kisumu, Kenya, Africa,- Mapping and prospecting the other half of Africa. He and Baker report an interesting trip to Africa, and some interesting prospecting.

Thompson, J. A., /36, Suite 4, 37 1/2 Toke St., Timmins, Ont.,- G. S. C., southern Alberta, summer of 1936. Post-graduate work at Sask., till January. Now on the Hollinger Staff.

Tibbit, Jack, /36, Baffin Island (back in the fall). G. S. C. at Great Slave Lake, summer 1936. Left for eastern Arctic on two man prospecting trip, Feb., 1937. Jack is always looking for adventure.

Trenholm, I. S. /36, Pandora-Cadillac Mines, Amos, P. Q.,- mine geologist, reports "good, good grub, good boss, and good gracious, no amusement,

Wier, Don, /35, University College, Oxford, England,- Saskatchewan Rhodes scholar. G. S. C.- glacial geology, southern Sask., summer of 1936. Spent Xmas holidays in southern France, can now parley-vous like a native.

GRADUATES 1937

This year we have the honor of sending forth the following graduates, the examiners being willin. The majority intend entering the mining field, and a few may continue their studies at Eastern Universities. To them go our good wishes for the best of health, wealth and happiness in their chosen work.

This year is unique in that we present to the world our first graduates in Engineering Geology- Alf Akehurst, and George Mihm. This is an honors degree, so we can expect big things from these two men.

Akehurst, Alf, /27, 327 Main St, Saskatoon, Sask. Born Jan. 17, 1913 Ieross, Sask. Collegiate at Nutana, then a varied career at Normal, Varsity, Tech, and teaching, finally ending at Varsity, knocking over A's. Has been President of the Ore Gangee this year, and is to a large measure responsible for its success.

Mihm, George, /37, 2132 Argyle St., Regina, Sask. Born at Regina, 1914- several hushed up scandals in his youthful days. Collegiate at Campion. Then to Normal. His career at Varsity has been spectacular in sports, social activities, and studies. President of the Engineering Society, and other things too numerous to mention.

Ames H., /57, 515 8th St., Saskatoon, Sask. Born, Brandon, 1917, and migrated to Saskatoon in 1921. Collegiate at Nutana. Has both survey and prospecting experience. We have no idea what his intentions are, but they are undoubtedly good.

Clarke, J. Murray Cordell, 702 Dufferin Ave., Saskatoon, Sask. Born P. A. 1915, later brought to Saskatoon, where he was carefully brought up. Collegiate at Nutana, then Varsity. He is one of the original "Ore Gangue". His pipes, photography, and other hobbies keep the lab alive. Has two seasons experience on the southern survey.

Greig, Wendell, /37, 615 Eastlake Ave., Saskatoon, Sask. Born at Ormstown, P. C. 1916. He attended collegiate at Nutana, and also Tech. His career at Varsity includes tennis skating, dancing and studies. Was Vice-President of the "Ore Gangue" this year. The "Beau Brummel" of the lab, though his activities in this line have given the "Gangue" a doubtful reputation amongst the fair sex. Has both northern and southern experience with the G. S. C.

Morrow, Harold, /37, 2302 Elphinstone, Regina, Sask. Born Regina, Dec. 19. 1914. Educated at Central Collegiate, and Regina College. Holds the worlds record in elevator building. Intends taking the Geological Engineering course.

Parres Lou, 613 Eastlake Ave., Saskatoon, Sask. Born Richard, Sask., 1915. Collegiate at Nutana, where it is said they passed him to get rid of him. He has been trying to live it down at Varsity, and is still trying. One of the original "Ore Gangue". His bush experience is most varied, and this year he intends to return to Yellowknife, N.W.T. The term "Malouffing", has been changed to "Parresing".

Penner, Dave, /37, 614 Main St., Saskatoon, Sask. Born Dec. ", 1913, Russia, came to Canada in 1923. Collegiate at Waldheim and Rosthern. Good tenor voice- also the most spectacular figure skater at the Varsity. Has experience in southern Alberta.

Swanson, Eric, /37, 212 King St., Saskatoon, Sask. Born Ft. William, 1915. Lived in various parts of the West, finally settling in Saskatoon. A notorious show-goer, and has no use for the fair sex. Eric is "sure one damn good Swede"

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J. A. Thompson and later Alf Akehurst, have been conducting a night class at the Technical School. The lab. has been amused by their students calling up the Department and asking for Dr. Thompson, and Professor Akehurst.

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This years crop of instructors has been large. Akehurst in 11 and 51, Mihm in 2 and 51, Ames and Greig in 1, Denton in 2, Murray Clarke in 31, and up till Xmas, Thompson in 11 and 2. They have all contributed to the lab in mounting maps and arranging displays in the cabinets.

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A rink called "The Schists", composed of Hill, Moore, Akehurst, and Mihm, is cleaning up the Engineers Curling Draw- having won seven straight games, without a loss. They are now in the finals.

During the past term, everybody, has been busy in his own way in the Lab.

Professor Edmunds, is still playing around with his little bags of dirt, which will bring back to many of the graduates the familiar sight of a few curly locks moving back and forth amongst the acid bottles. These little bags provide the only means of correlating the beds in Saskatchewan, now being done by Prof. Edmunds. Extensive drilling, is being done at Simpson, and also at the so-called Eagle Hill structure near Battleford. Numerous water well samples are also being taken care of by Prof. Edmunds.

Before Christmas, a new class was given by Dr. Mawdsley. It dealt with the principles of Ore Dressing and the problems that various ores gave to the millman. In its place for the second half of the term, another new class is being given by Dr. Thorvaldson, on Metallurgy. It is a requisite, of every Geological Engineer.

Alf Akehurst, and George Mihm, are designing a 200 ton Mill in detail, for their thesis. With the specimen given them by Dr. Mawdsley, they are able to start from the beginning of such a problem, and thus make the thesis very practical. Thin and polished sections have been made and photographed. The writer sincerely hopes that a mill or mills, sometime in the future, and somewhere in Canada, will be erected due to this year's efforts.

Under the direction of Prof. Edmunds, three of the students, J. A. Thompson, Murray Clarke, and the writer are undertaking a piece of research. The problem is to correlate the sediments of southern Saskatchewan, with the parent igneous and metamorphic rocks of northern Saskatchewan, by means of heavy mineral separation. The work was divided into three parts. J. A. Thompson undertook the study of the sediments, Clarke the field investigation, around Saskatoon, and the writer the study of the granite and granite gneisses from the North. Due to Thompson's leaving, his phase is continued by Clarke.

Early in the fall, a week-end field expedition was made by a large number of the students. Under Professor Edmunds, they explored sections of the Saskatchewan River around Riverhurst and Outlook, and obtained a good insight on the practical phase of their studies. It is hoped that this procedure can be repeated every year.

Every member of the Geology 11 class has made a thin section of a mineral, during the past term. The writer understands that this is a permanent addition to the practical work required of this class. If, no duplicates, and sections of different faces are made, a very valuable collection be gathered together in the years to come.

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CHEM SHOW

For the first time, the Ore Gangue entered an exhibit at the annual Chem Show. Under various groups, paleontology, mineralogy, petralogy, building stones, mining, and glacial geology, were displayed, and created much interest among the customers. An illustrated lecture on the life on the Survey, was given by W. B. Gallup, to an enthusiastic audience, in the Chem Theatre. Many of the exhibits were of a permanent nature, and now are interesting and useful fixtures of the Lab.

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PROSPECTS for employment of the students for the summer are the brightest ever. Several private firms, particularly, Churchill Valley Explorations Ltd., are employing men, and the G. S. C. program promises to take a few members. Prospects for employment of the grads are also promising, with the mining boom in Canada in full swing.

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ORE GANGUE ACTIVITIES- by G. McDougal

During the course of the year it is the custom of the Ore Gangue to hold both the regular professional Seminars, and in addition a few non-professional.

Dave Penner opened the Seminars for the season on Oct. 25. He chose his topic "Geology of Southern Alberta", from his summer's experience. He stressed the stratigraphy of the plains, mentioning some of the prominent structures. He also briefly discussed igneous intrusions of the Sweet Grass Country in Montana, in following up the Paleozoic strata.

On Nov. 8th, Mrs Mundy, wife of Inspector Mundy of the R. C. M. P., gave an illustrated talk on the life, habits, interests and environment of the Eskimos. She has spent the last five years among them. The true life of the Eskimo was brought out by slides of her own collection, illustrating as well the life of the white man in the Eskimo country. Refreshments were served to the Ore Gangue members and their lady friends.

The third Seminar was given by Iew Parres on Nov. 29th, on "The Mining Possibilities of the North West". The advantages of the Waterways route over the proposed railroad was stressed, together with the great possibilities of the numerous valuable ore strikes.

On the evening of Dec. 10th, Mr. M. Gallup gave an illustrated lecture to the mixed members of the Ore Gangue. Mr. Gallup succeeded in pointing out many new points of interest concerning the bird life in the North. Lunch was served at the close of the lecture.

Prof. Edmunds gave a very interesting Seminar on Photography, illustrating it by means of photographs. The uses and advantages of the different cameras were clearly pointed out.

Jim Scott, gave the next Seminar, on his experiences in the Goldfields Area, giving the student, inexperienced in the Precambrian, many useful hints regarding prospecting and mining. Mr. Scott warned his listeners against the "get rich quick" idea, and stressed the importance of valuable advice given by the Bush Prospector.

On Feb. 4th, H. Ames gave a well prepared Seminar on Gems. He discussed the commercial and geological aspect of these minerals, together with the methods of preparing them for ornamental purposes.

To the inexperienced, enthusiastic geologist, the Seminar "Beating about the Bush" given by G. Mihm on Feb. 25th, was of extreme practical value. The life of the student assistant was followed from when he left the University until his return. The equipment was stressed as the point of greatest importance.

On March 8th, Dr. Wright, consulting geologist of the Churchill Mineral Exploration Co., gave a talk on "Diamond Drilling", which was of great interest to all the geologists and a large number of Engineers. He explained the procedure of diamond drilling, and its use in the mining industry.

Seminars by Dr. Mawdsley, E. Swanson, and A. Akehurst are anticipated before the end of the term.

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SPORTS

The members of the Gangue taking active part in Varsity sports this year were Lionel "One Man Gang" Iaberge- Varsity rugby and wrestling, Thrall- Varsity wrestling, Denton- Varsity hockey, Parres- Varsity hockey, Hill- Varsity soccer. Mihm, Redford, Parres and Neely Moore all played interfaculty hockey for Engineers, and Iaberge and Hill for Arts. Mihm also starred in the backfield of the Engineers Rugby team. Greig and Hancock took part in Arts water polo.

On October 3, 1936 the Ore Gangue opened its social season with a Banquet in the Oak Room of the King George Hotel. Many of the boys had just arrived from a season in the field, so there were many acquaintances to renew, and many stories to tell. A large number of the grads attended before leaving for jobs in the East and elsewhere.

After the boys were filled to capacity with steak and trimmings, they received a few words from Dr. Mawdsley, Prof. Adamus and Prof. Atkinson, as well as some of the Graduates. Mel Thompson and J. Baker expressed regrets on having to leave the Gangue, as they were departing for S. Africa where they had obtained positions.

The Banquet over, the fellows enjoyed the remainder of the evening at theatres, dances and what-have-you.

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The evening of February 19, 1937 the Gangue held a skating party skating until ten o'clock, then adjourning to the lab. where a lunch, provided by the ladies, was enjoyed. The Gangue broke down and provided the coffee, cream and sugar. During and after lunch cubes of sugar were pressed into service as dice, and cut-throat gambling was soon in progress, cookies and sandwiches serving as stakes. A good time was had by all.

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On February 13th a successful Theatre Party and Dance was held. The Gangue and lady friends enjoyed "One In A Million" at the Capital, proceeding later to the Avenue Ballroom for dancing. There was a large attendance, and a pleasant evening was spent.

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SINGLE BANQUET

At the end of the season the Gangue finished up with a handsome cash surplus and decided, after much debate, to hold a Stag Banquet at the Elite Blue Room.

By interviewing the various City Brewers and by some financial wizardry known only to the executive we were able to obtain a seventy-five cent meal for fifteen cents, including liberal liquid refreshment.

Blue-printed programs with the Ore Gangue crest - the work of "Sandy" Sanderson were excellent souvenirs and autograph albums.

The Banquet got away to a flying start, the first obstacle - an oyster cocktail being surmounted by presenting the savoury pelecypods to less squeamish members - notably Iaberge and Hill.

After a toast to the King Dr. Mawdsley proposed a toast to the Graduates? and painted a rosy picture of the outlook for Geologists. He stated that the early unbounded hopes for the Ore Gangue had proved to be no "Maloufing." George Mihm responded to the toast with a witty speech in which, after first dealing faithfully with Iaberge and Neely Moore raiding on his "French fried", he rose to unsuspected heights of oratory. He closed by saying that once again the Graduates passed on the torch to be carried on in the spirit of the Gangue quoting some lines by Mallock -

- " Give me Gold.
- " The day may come when gold won't mean a thing
- " Give me Luck
- " But more I need than luck
- " When skies are grey and roads are rough
- " Give me a pal and that's enough."

Community singing was enjoyed under the direction of Hank East. This included the Gangue song and an Impromptu duet by Lou Parres and Dave Penner, which rolled the crowd in the aisles.

The announcement of an address by Prof. Edmunds, was greeted by cheers. After some technical difficulties with an "opener", he proceeded on his address in the finished Edmundsian manner. He ranged from visions of Saskatchewan petroleum possibilities, to a disconcerting remark by a Star photographer, who wanted his picture, and from Stephen Leacock on exams, to Dave Penner in the role of reporter. He regained his chair amid applause.

Bill Gallup next toasted the faculty. Rather incongruously he started off with three tall stories. Bill then went on to extoll the manifold virtues of our faculty. Judging by the enthusiasm with which it was drunk, it was a very popular toast.

Prof. Atkinson in replying spoke of his pride in wearing the Ore Gangue pin. He praised the spirit of the Gangue, and easily maintained his high standard of humour.

After some more singing the Gangue adjourned to resume their activities elsewhere. The humour of the evening was enhanced by George Mihms efforts to find his blind date, and "Hap," Hill's partial exit through a veranda window, having neglected to open it.

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This winter witnessed one of the greatest ice spectacles ever staged in the Varsity rink. The "Ore Gangue" hockey game was the event. The "Dentalinas" captained by W. Denton, and the "Parasmilias" captained by Lou Parres, battled through one hour of torrid hockey, finally arriving at a score which no-one has been successful in determining. The game was featured by several spectacular plays by unknown players, a couple of fights, some rotten refereeing by George Mihm, and worse goal-keeping by Denton and Parres.

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FAMOUS LAST WORDS- Who's got my triangles??????

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THANK YOU

Before completing this issue, I wish to thank all the members of the Ore Gangue for their co-operation in gathering and writing up the material for this magazine. We are sorry that space does not permit the printing of all the write-ups. Special mention should be made of "Sandy" Sanderson, who drew the heading on the first page; "Chris" Christopher who drew the caricatures; and Wendell Greig, who cut the stencils.

THANK YOU-

L. Hill