

THE MONADNOCK

of the

CLARK UNIVERSITY

GEOGRAPHICAL SOCIETY



“Never before in the history of the world has there been such an urgent need for geographical knowledge and understanding; let us geographers not only accept but also meet that challenge.”

—VAN VALKENBURG

VOLUME XXX NO. 1

DECEMBER, 1955

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HOLIDAY GREETINGS

Once again, the staff wishes the alumni and alumnae a happy Christmas and a successful New Year. The new year starts under favorable auspices. The future in geography looks bright with increased demand for teachers as well as for those who prefer research and practical application. More and more, geography is recognized as a most valuable field of endeavor. It is up to us to use that opportunity to its fullest extent.

S. VAN VALKENBURG

CLARK "SCOUT" TROOP INVADES GARDNER AREA FOR 1955 ANNUAL FIELD CAMP EXCURSION

The Clark University Geography Field Camp for 1955 was held in north-central Massachusetts, based at the Boy Scouts' Camp Collier on Lake Wampanoag, three miles north of Gardner.

Across the misty waters of Lake Wampanoag pealed the sonorous notes of the awakening bell. Shouts echoed through the tall pines (woodland, merchantable) as the Scouts of Troop 1955 leaped from their bunks and scampered along the trails to the council hall.

Desmond Drumlin woke to the rush of feet across the pine needles before his tent. Instantly awake, he slipped his psychrometer from beneath his pillow, pocketed his notebook and joined the other hurrying, grim-lipped scouts. Emily Esker was emerging from the girls' barracks with a tense look on her face. The leaders were already in the council hall when the group arrived, heads together over a map, muttering about minor changes in the campaign.

The troop collected near the big fire-place, noisily gulping scalding coffee, sharpening pencils and loading psychrometers. Scouts Little and Girgis stood apart, silent and frowning, for the success of their special project and the resultant merit badges depended on the results of the night's campaign. Scoutmaster Warman moved among the party, checking a watch here, tightening a psychrometer sling there, giving a word of advice or cheer to recent recruits or a grave handclasp to old campaigners. As zero hour approached, the shouts melted into the darkness, and soon the muffled roar of exhausts told that the attack on Gardner was under way.

In the city of Gardner, the slumbering residents were awakened by the steady rush of vehicles past their windows. As the infiltration progressed, early-rising townspeople were

puzzled to see shadowy figures flitting from lamp-post to lamp-post, pausing briefly to whirl thermometers and make cryptic notations. On the outskirts of the blitzed city, automobiles slid to a halt beside foggy ponds and scouts emerged with dimmed flashlights to scramble down banks and dip thermometers in the water with trembling hands.

The first rays of the morning sun dispelling the ground fog was the signal for an orderly retreat. With only an occasional pause to classify adjacent fields with a terse "scrub" or "pasture," the scouts made their respective ways back to camp.

After psychrometers had been turned in and reports filed, Scoutmaster Warman was able to pronounce the success of the campaign. Desmond Drumlin and Emily Esker had carried the Clark University flag to another victory.

The Gardner campaign began on September 21st when the Troop, numbering some 30 scouts, moved their headquarters from the main Worcester Den to the shores of Lake Wampanoag north of Gardner. During the ensuing three weeks, while contending with freezing nights and rainy days, the scouts were able to map the physiography and land use of some 150 square miles in the area. Material from innumerable eskers was sifted through eager fingers, stone fences were scaled, farmers were lured from their milking by anxious inquisitors and yellowing manuscripts were scanned in the local libraries until a clearer picture of the geography, past and present, was obtained.

Two days were spent examining and plotting potential industrial sites in the environs of Gardner and Fitchburg. Scoutmaster Murphy organized and supervised the site survey campaign, which involved the application of certain criteria to areas delimited before-

hand by the examination of topographic maps and air photos.

Scoutmaster Raisz from the Cambridge Troop visited the camp for a day and demonstrated how to win merit badges by doing landscape drawings which would show the salient geographic features.

Rainy days and some evenings were utilized for lectures by Scoutmasters Lougee and Higbee. On the second Sunday an automobile trip was made through the survey area. Visitors, in-

cluding President Jefferson, Chief Scoutmaster Van Valkenburg and wives and friends of the Scoutmasters and scouts, arrived on visitor's Sunday for lunch, and spent the afternoon canoeing or playing volleyball.

Camp was broken on the morning of October 8th, and the scouts returned to Worcester looking tanned and fit, eager to begin work on report-writing, and carrying memories of a well-organized field camp in a beautiful and interesting part of New England.

NEW FACES, OLD SETTING; CLARK WELCOMES ITS NEW STUDENTS FROM MANY PARTS OF THE WORLD

The Work Room this year presents a very cosmopolitan atmosphere as the student roster has representatives from 10 U.S. states and 10 foreign countries. A full complement of 32 students fills the tradition-steeped place of study.

Those giving their address as the School of Geography for the 1955-1956 academic year are:

RICHARD F. ALBERG (Ed.B. Rhode Island College of Education, 1951) hails from Pawtucket, Rhode Island, although he has spent the last four years with the U. S. Air Force in Louisiana. Dick, an M.A. candidate and first year student, has been appointed to aid Mr. Burnham as assistant keeper of maps.

SIMON BAKER (M.S. University of Arizona, 1952) is from Revere, Mass. Si is starting his second year in Geography after having received an M.S. in Agronomy and is presently working for his doctorate. Mr. Baker hopes to do research abroad and is especially interested in the arid section of Ceylon.

REBECCA BROCKELBANK (B.S. in Ed. Salem Teachers College, 1955) comes from Georgetown, Mass., and is working for her M.A. "Buckets", as she is called by fellow cartography students, is very interested working with maps.

JOHN A. CARTER (A.B. Boston University, 1953, A.M. pending) is from Boston. Working toward his doctorate, Jack's major interest is in the field of urban geography. On weekends, geographer Carter turns musician to play an instrument in a dance band in Boston.

AUBREY "BOB" DIEM (B.A. Wayne University, 1953) comes from Detroit, Michigan and is completing his master's thesis. While doing field work in Europe, Bob took a great many color transparencies which were shown in one of the season's slide shows.

VINCENT N. DiRENZO (B.S. East Stroudsburg State Teachers College, 1955) comes from Shenandoah, Pa. Vince, a Marine Corps veteran, is working for his M.A. degree and plans to go into teaching.

RICHARD A. ELLEFSEN (A.B. San Jose State College, 1955), an Air Force veteran, is from Windsor, California and is working toward the Master's degree.

J. KEITH FRASER (B.A. University of Toronto, 1949, M.A. 1955) comes from Ottawa, Canada. Keith has been working for the Canadian government and spent the past summer in field research on the western Arctic coast of Canada. His master's thesis

was a regional study of the northern shores of Lakes Huron and Superior.

ROLAND FUCHS (A.B. Columbia University, 1954) is from Yonkers, N. Y. Roland is finishing his master's thesis on agriculture in Columbia County, N. Y., and completing his residence requirement for the Ph.D. Roland spent the summer on a 10,000 mile trip to California and back with Terry Burke, 1954-1955 Clark student.

MONIR SAAD GIRGIS (B.A. Cairo University, 1945, Diploma in Education, 1947 and M.A. 1952) comes from Cairo and is working for his doctorate in Political Geography.

LOREN NELSON GOULD (A.B. Clark University, 1953) is from Worcester and is working on his M.A. Loren spent part of last summer in Newfoundland and hopes eventually to work in New Zealand. In addition to studies, Loren acts as an assistant to Dr. Lougee in the large undergraduate geology class.

SISTER MARY URSULA HAUKE, R.S.M. (B.A. Catholic University of America 1946, M.A. 1953) is from Altoona, Pennsylvania. Her thesis study was a survey of the teaching of geography in the secondary schools of Pennsylvania. Working toward the Ph.D., she plans to enter administrative work in education.

HANS KASER (B.A. University of Bern, 1949, M.A. 1952) is from Affoltern, Switzerland but has been in the United States since 1953 and has been teaching French and German at Emerson College in Boston. Hans is working for the Ph.D. and his major interests are in regional and political geography.

MOHAMMED HALIM KHAN (M.A. Geography, M.A. Economics, M.Ed., and LL.B. from Patna University and Aligarh Muslim University) comes from Aligarh, India. Working for a Ph.D. in political geography, his dissertation topic is a study of Muslims in India after 1947. Halim plans to

return to teaching at Aligarh University.

EDITH MIRIAM LEVO (B.A. Mount Holyoke College 1954) comes from Santurce, Puerto Rico and is working for her M.A. Miriam hopes to go into education upon completion of studies at Clark.

DANA ANTON LITTLE (A.B. Bowdoin College, 1946, M.A. Clark University, 1951) is from Brunswick, Maine. Dana has spent the last few years in Japan and is now working toward his doctorate.

RICHARD A. LOCKHART (S.B. in Civil Engineering, Massachusetts Institute of Technology, 1953) comes from Waltham, Mass. Dick has just completed his Army service and is working for his M.A.

TELESFORO W. LUNA, JR. (B.S. University of the Philippines, 1953) is from Pasuquin, Ilocos Norte, the Philippines. Tel is completing his M.A. thesis and studying for his doctorate.

EMANUEL MAIER (B.A. City College of New York, 1937; M.S.E. New York University 1942, Ph.D. 1953) is from Worcester, although a native German. Manny already has a Ph.D. in German — dissertation, "Psychology of C. Jung in Works of Hermann Hesse" — and is now after a second one in geography.

JAMES E. MCCORMICK (B.S. Harpur College, 1952) is from Menlo Park, California. Jim is working for his M.A. and his thesis subject on the use of IBM method in conducting a land use survey based on knowledge gained with the Modesto County California Planning Commission.

SALVATORE J. NATOLI (B.S. in Ed. State Teachers College, Kutztown, Pa., 1951) is from Reading, Pa., and is working for his M.A. Sam plans to continue teaching.

PER OLOF NORDELL (Filosofie Kandidat, Uppsala University, 1955) comes from Uppsala, Sweden. His dis-

(Continued on Page 14)

GRADUATE SCHOOL "FAMILY" — 1955



Top row, standing: R. Fuchs, H. Käser, J. Pagenstecher, V. DiRenzo, R. Spayne, J. Pawling, F. Ritter, H. Westerman; Fourth row, standing: D. Little, R. Ellefsen, T. Luna, S. Baker, P. Sinnott, E. Dodd, E. Renny, T. C. Wu, R. Lockhart, J. McCormick; Third row, standing: S. Natoli, W. Garrigus, R. Alberg, R. St. Onge, J. Carter, L. Gould, M. Girgis, J. K. Fraser; Second row, standing: P. Nordell, E. Maier, R. Brockelbank, P. Riordan, E. M. Levo, Sr., Mary Ursula, M. H. Khan, W. Mesfin, J. Sherman, G. Schultz; Staff row, seated: Dr. H. J. Warman, Dr. R. E. Murphy, Dr. S. Van Valkenburg, Dr. R. J. Lougee, Mr. G. H. Burnham, Dr. E. C. Higbee.

URBAN GEOGRAPHY TOPIC FOR CONFERENCE MEET

The need for city and regional planners to use the information supplied by urban geographers was stressed by Mr. Charles E. Downe, former Worcester city planner and now Deputy Commissioner of the Massachusetts Department of Commerce, in an address to the New England - St. Lawrence Valley Geographical Conference Meeting held at Clark University on October 29, 1955.

Also illustrating the meeting's topic, "Putting Urban Geography to Work" were talks by Mr. Bart J. Epstein, Marketing Analyst for Stop and Shop markets and Mr. G. W. Schultz, present graduate student at Clark and one of the members of the team which carried on an industrial sites survey in Springfield, Massachusetts. Mr. Epstein's topic, "Food Trading Patterns in a New England Community" covered trading methods used in determining trading areas for individual stores. Mr. Schultz explained methods and results of the Springfield survey in his talk "Finding Industrial Sites for a New England Community."

In conjunction with the meeting, a map display was held in the Libbey Library featuring various methods and techniques used at Clark. The University also played host to the groups by serving a mid-day dinner at Estabrook Hall.

Clark people dominated the officer roster for the coming year. Dr. Samuel Van Valkenburg was named as president and Mr. Howard Green, M.A. Clark, 1949, and now assistant to the Vice-President (retailing), Stop & Shop Markets, Boston was elected vice-president. The Conference's new secretary-treasurer will be Mrs. Minnie Lemaire, Ph.D. Clark 1939, of Mt. Holyoke College.

The day's program was completed

LOCAL PHOTO FANS GIVE SLIDE SHOWS, EXHIBIT TRAVEL PICS

A feeling among the members of this year's C.U.G.S. that photography plays a very important part in geographic studies has resulted in an active photography committee engaged in several activities. A weekly showing of color slides taken by members of the group has drawn increasingly large crowds. To date showings have included scenes from Italy, France, Scandinavia and the United Kingdom, a series on European ski resorts and a study made this past summer in Israel.

It is planned that the undergraduate geography group will be invited to future shows which will feature the Northwest Territories of Canada, Japan, New Zealand, Sweden, Martha's Vineyard, California and Newfoundland.

In addition to the color shows, a black and white photo exhibit is being presented in the outer hallway of the Geography Building. Various members are showing pictures of geographic interest taken in many parts of the world. The location of each photo is shown on a world map.

In order to develop technical skills in photography, the committee will conduct evening classes in the use of the darkroom equipment. Aubrey Diem, recent returnee from Europe, will act as instructor of the volunteer student group.

Other members of the committee are Dana Little, Gerry Schultz, Keith Fraser, Eddie Kersch and Per Olof Nordell.

with two field trips to sights of local interest. Dr. Richard Lougee led one group to Purgatory Chasm while Dr. Van Valkenburg led another group to the Armory Museum at the Worcester Pressed Steel Company.

STAFF TRAVELS WIDELY DURING BUSY SUMMER

The emphasis was on travel for most of the staff during the past summer. Places visited varied from Lapland to Mexico City. A rough estimate of the total mileage covered by all the staff members during the season approaches 43,000 miles.

Dr. Samuel Van Valkenburg, whose traveling might be compared with this country's notable flying Secretary of State, became a tourist for the summer. Along with Mrs. Van Valkenburg, Dr. Van toured through Europe in a small rented car. The general route of the tour, which covered approximately 5,000 miles, took the Van Valkenburgs along the west coast of France, through Toulouse, along the French Mediterranean coast and into Switzerland. The return section of the loop trip included France and Belgium en route to The Netherlands.

In addition to the summer's travel, Dr. Van has just returned from a lecture trip to Nebraska, where he spoke at the University of Nebraska in Lincoln and at Hastings College, Hastings, Nebraska. Conferences were also held with Dr. Van's co-author Dr. Colbert C. Held of the University of Nebraska.

Also in Europe last summer was Dr. Richard Lougee, who was continuing geomorphological investigations which he had begun during his previous year in Scandinavia.

After a week in Ireland, two days were spent in The Netherlands examining the Riss moraines before visiting Denmark where shoreline problems were discussed with the Danes. After leaving Denmark, two weeks were spent in Norway in deglaciation problem study. After stopping in Stockholm, Dr. Lougee crossed to Finland, and spent a month traveling in Lapland, northern Sweden and northern Norway. Most of the travel in the north country was by automobile over very adequate roads.

The summer's jaunt to Scandinavia was concluded with the attendance at conferences in Stockholm and Lund and another visit to Copenhagen for a day before returning to Stockholm for departure to the United States on September 10th.

The field work was undertaken in connection with a study of the history of crustal movements in Scandinavia and the British Isles. The eventual hope is to correlate European shorelines with those in North America.

Back at Clark, Dr. Lougee, in addition to his graduate course on the Physiography of the Western Hemisphere, has returned to his original field in teaching General Geology to the undergraduate classes.

Besides recording the results of the summer's research, Dr. Lougee is engaged in writing a report for the North American Terrace Commission of the I.G.U. to be presented at the meetings in Rio de Janeiro next year.

The staff's agricultural geographer, Dr. Edward Higbee, continued field studies in agricultural land use in the United States last summer, traveling some 7,000 miles in a study of the coastal plain. His travels took him from southern Illinois to the Gulf of Mexico and north along the Atlantic coast to New Jersey. Travels connected with the agricultural land use study have covered over 35,000 miles since 1952.

Dr. Higbee's book "The American Oasis" is presently in the press and should be published during the late winter. Work is also progressing on a second book for John Wiley & Sons on the geography of American Agriculture.

The fruit of extensive traveling and study within the U. S. is being enjoyed by the graduate students of American Agriculture as Dr. Higbee presents colored slides taken in the regions under study.

As a south of the border visitor, Dr. Henry Warman attended early sessions of the Pan-American Institute of Geography and Cartography at Mexico City, July 25 through 28. From Mexico, Dr. Warman went to Los Angeles where he conducted a workshop in Geography in Education at the post-session of summer school of the University of California at Los Angeles.

Continuing to represent the staff in Worcester for the summer were Dr. Raymond Murphy and Mr. Guy Burnham. Dr. Murphy, in addition to offering a course in the summer school, was busily occupied in supervising a detailed industrial site survey of Springfield, Massachusetts for the promoting organization, Future Springfield, Inc. Mr. Burnham continued in his role of instructor in Cartography, cartographer for the School and general storehouse of advice for the graduate students.

STUDENTS WIVES CLUB HOLDS WEEKLY MEETS

Meeting once weekly to exchange views on sewing, knitting, cooking and other womanly pursuits the wives of the graduate students are establishing themselves as a very active group. Coffee, tea and assorted goodies are served at the get-togethers which are held each week at homes of the members.

The membership of the ladies group includes, Mrs. Simon Baker, Mrs. Vincent DiRenzo, Mrs. Richard Ellefsen, Mrs. J. Keith Fraser, Mrs. Loren Gould, Mrs. Emanuel Maier, Mrs. Per Olof Nordell, Mrs. John A. Pagenstecher, Mrs. Harland Westerman, Mrs. Lou Winter, Mrs. Dick Ashley and Mrs. John Pawling.

TOTALITY IN REGIONS STRESSED BY ALUMNUS LECTURER DR. TATHAM

The importance of the holistic approach to regional geographic studies was pointedly emphasized by lecturer Dr. George Tatham, Clark alumnus and present Professor of Geography at the University of Toronto, in a recent five-day lecture series here. In what was considered to be one of the most provocative lecture series to be given at Clark, Dr. Tatham demonstrated that geographers must fulfill their historical task by coping with totality; all of the earth's phenomena in spatial relationship.

As a noted authority on the history of geographic thought, Dr. Tatham was in an exceptionally good position to present the trends geography has taken in the nineteenth and twentieth centuries. Examples were drawn from the early German and French geographers to show the early emphasis on the holistic regional approach.

After determining the size and extent of a region, Dr. Tatham went on to show examples of the application of the method. Taking northwestern Europe as a sample area, a number of items, not always considered geographic, were explained in the light of the physical factors present. Throughout all, the importance of dealing with totality was stressed.

In concluding, the Canadian professor stressed the need for the geographer to encourage the world's peoples to develop a real love for the beauty and awesomeness of nature and to develop a respectable standard of values in presenting geographic material, which of necessity must be subjective in scope.

CLARK ALUMNI HAVE BREAKFAST MEET AT TEACHER CONFERENCE

Twenty-two past and present Clark University students and faculty met at a breakfast get-together held in conjunction with the Annual Meeting of the National Council of Geography Teachers held in Indianapolis, Indiana, November 24-26.

Representing Clark was Dr. Henry J. Warman, recent president of the N.C.G.T., Dr. Samuel Van Valkenburg and present graduate student, Sister Mary Ursula, RSM.

Clark alumni present at the breakfast were: Otis W. Freeman, H. L. Nelson, Katherine T. Whittemore, Keith B. Allan, Floyd T. Cunningham, Neva McDavitt, Lois R. Keller and Norman Carls.

G. Etzel Pearcy, Ester S. Anderson, Earl B. Shaw, Sidney E. Ekblaw, J. Herbert Burgy, Harriet R. Long, R. Paul Terrell, George S. Corfield, Ina Cullom Robertson, Robert S. Weiner, and Sigismond deR. Diettrich.

SOCIAL EVENTS BRIGHTEN GRAD STUDENTS LIVES

On the lighter side, the life of the graduate students does not appear to be all work and no play. In the way of organized activity, one social event, a tea, has already been held. The first visiting lecturer of the season, Dr. George Tatham, was the honored guest at the Thursday afternoon event which preceded the fourth in a series of five lectures.

A committee composed of Fred Ritter, "Sam" Natoli and Roland Fuchs is making arrangements for the annual Christmas Banquet to be held at the

"T'WAS THE NIGHT . . ."

As the short winter day begins to wane only a few lights in the Work Room betray the presence of life on the darkened, still campus. Looking in the window, one sees an occasional figure, back curled, bent over a book-littered desk lighted by the soft yellow glow from a crooked desk lamp.

One light goes out. A figure is seen dressing warmly for the chilled night air. The figure leaves. More lights blink off but are replaced by the appearance of stars in the darkening winter sky, their cold light giving a bluish-white hue to the snow-covered ground.

The last light silently dies, admitting defeat to the great darkness. A lone figure steps out on the snowy sidewalk and moves silently across the deserted campus. One bright star lights the path for the solitary figure. It's Christmas Eve.

Wachusett Country Club on Thursday evening, December 15.

In way of less organized activity, many members of the group find that an occasional visit to the ping-pong table in the basement relieves a lot of tension and study fatigue.

Another informal group, known locally as the "Salt-Mine Singers" relaxes their drawing hands in the Cartography Laboratory by giving voice to a multitude of songs ranging from operatic arias to cowboy favorites. Currently standing out in the group's repertoire are the traditional Christmas carols.

STUDENT AUTHORS PREVIEW GRADUATE PAPERS

The use of statistical research methods is the core of the M.A. thesis "Relative Changes in the Shifts and Movements of the Negro Population of the United States" now being completed by Telesforo Luna. Mr. Luna is here on a Fulbright Travel Grant, a fellowship from the University of the Philippines and holds a Clark fellow rating.

The reason for choosing the topic is to apply the methods and techniques employed by Dr. Raymond E. Murphy of Clark. Population shifts are shown by the use of such cartographic techniques as the proportional circle map and the relative change map. Semi-logarithmic graphs are also being employed.

The conclusion is drawn that the Negro population is dispersing from the southern part of the United States to all parts of the country.

While Dr. Richard Lougee studied deglaciation problems last year in Scandinavia, Mrs. Lougee conducted field work for a doctoral dissertation on "Climate Classification and the Practice of Irrigation in Norway." The initial draft has now been presented on a work which Mrs. Lougee found vitally interesting.

Field investigation traced irrigation in Norway from before the time of written history when ancient irrigation districts were established. At present, population pressure has necessitated the most intensive agricultural practices of which irrigation in the more arid "rain-shadow" areas is of paramount importance. Mrs. Lougee found that Norwegian farmers are most expert and can be classed as agricultural technicians.

Norwegian irrigation was found to be especially interesting because of a location generally considered as humid, because of the minute areal climatic

differences and because of the economic importance to an industrializing nation.

In a Master's thesis that is now in progress, Roland Fuchs, second year student at Clark, is writing about agricultural trends in "Changes in the Character of Agriculture in Clermont Township, Columbia County, New York."

As the student researcher explains it, "Clermont, a mid-Hudson Valley town located in a well known fruit section of New York State, has undergone striking changes in its agricultural pattern in recent years. In the decade 1940-1950, for example, the number of bearing apple trees declined markedly (from 63,550 to 25,565) while dairying was showing surprising gains. The study discusses the evolution of agriculture within the township as a series of adjustments to a variety of factors."

Field work is being conducted during vacation periods near the author's home.

Another M.A. Thesis nearing completion is John Pawling's "A Contribution to the Climate of Central America." The work makes use of the most recent statistical climatic data available in compiling twelve monthly rainfall maps and two temperature maps. Although some difficulty was encountered in acquiring data for the Mosquito Coast of Honduras and the more remote interior uplands, most of the area under study has good station coverage.

The study is to be concluded with a statement of the responsible climatic controls and a new Koeppe classification of British Honduras, Guatemala, Honduras, El Salvador, Costa Rica, Panama and the Panama Canal Zone.

Recently returned from over a year in Europe is Aubrey "Bob" Diem, who is presently writing an M.A. thesis entitled, "Political Geography of the Val d' Aosta," a French speaking semi-autonomous region in the Alps of northern Italy. The friction between the Val d'Aosta and the Italian central government will be treated in the work.

While abroad, Bob and his wife,

Myrna, traveled extensively visiting Morocco, Algeria, Gibraltar, Portugal, Spain, France, Germany, Austria, Leichtenstein, Norway, Sweden, Finland, Denmark, The Netherlands, Belgium, England and Scotland.

During the winter, the couple worked for the U. S. Army and the University of Maryland Extension Service in Germany.

GEOGRAPHERS RECEIVE DEGREES AT SPRING GRADUATION EXERCISES

At Clark's sixty-fifth commencement exercises last June, six Doctor of Philosophy and seven Master of Arts degrees were awarded in Geography. The graduates with dissertation and thesis titles were:

PH.D. DISSERTATIONS

JOHN R. DUNKLE — "St. Augustine, Florida — A Study in Historical Geography."

URBAN J. LINEHAN — "Tornado Deaths in the United States."

HARRIET R. LONG — "Distinguishing Features in the Economic Function Profiles of Massachusetts Urban Areas."

C. JOSEPHINE MOYER — "The Structure of Greater Reading — An Urban Political Study."

RICHARD R. RANDALL — "The Political Geography of the Klagenfurt Plebiscite Area."

KARL STACEY — "Petroleum and Gas in the Economy of Oklahoma."

M.A. THESES

KHATTAB SAGGAR AL-ANI — "Geographic Aspects of Mount Desert Island, Maine."

WAFIQ HUSSAIN AL-KHASHAB

C.U.G.S. OFFICERS

In an election held in Libbey Library the second week after return from field camp, Simon "Si" Baker was chosen to head the affairs of state for the C.U.G.S. for 1955-56.

The balance of the executive roster includes Rebecca Brockelbank, vice-president; Miriam Levo, secretary; Richard Lockhart, treasurer; and Richard Ellefsen as editor of THE MONADNOCK.

— "Population and Settlements of Holden, Massachusetts."

PHYLLIS R. BOUCHER — "Plymouth — A Study of Historical Landmarks As a Factor in Land Use."

WARREN H. BURTON, JR. — "The Agricultural Problem of the Navajo Indian Reservation."

WOODFORD McD. GARRIGUS — "Surface Relief and Agricultural Land Use, with Special Reference to a Strip of Twenty-three Contiguous Counties in Eastern United States."

M. JOAN GOODFELLOW — "Seasonality as a Factor in the Use of Aerial Photographs for Geographic Purposes."

STANLEY MACKUN — "The Problem of Vilna."

NEW STUDENTS

(Continued from Page 6)

sertation title is "The Karst Landscape of the Valley of Bjur River." Ole has a fellowship from the International Rotary Club and is called upon quite often to speak to local Rotary Clubs on his native country.

EDWARD RENNY (B.A. University of Mandalay, 1952) comes from Mandalay, Burma and is working for his M.A. Ed is especially interested in physiography and cartography and plans to teach at the University of Mandalay upon returning to Burma.

PAULINE RIORDAN (B.S. Simmons College, 1944) is from Boston and is working for her M.A. Pauline hopes to combine geographic and librarian training in a future occupation.

FREDERIC ARNOLD RITTER (B.S. Maryland State Teachers College, 1954) is from Baltimore and working for his M.A. Fred keeps order in the Work Room as the groups' appointed Sergeant at Arms.

RONALD RALPH ST. ONGE (Ed.B., Rhode Island College of Education, 1955) comes from Riverside, Rhode Island and is working for his M.A. Ron is especially interested in Latin America.

GERALD W. SCHULTZ (M.A. University of Iowa, 1953) is from Waterloo, Iowa and is working for his Ph.D. Gerry has been very active in industrial site location work.

JOHN M. SHERMAN (B.S. Boston University, 1950, a Marine Corps veteran of the Korean war, is from Norwalk, Connecticut and is working for his M.A.

ROBERT WILLIAM SPAYNE (B.S. State Teachers College, Worcester; M.A. Oberlin College) is from Worcester and is working for his Ph.D.

HARLAND W. WESTERMANN (M.A. George Washington University,

CLARK MOURNS LOSS OF ARTHUR GUNDERSEN

It is with deep regret that the passing is reported of Arthur Gundersen, chief custodian of the Geography Building, Library Building and Atwood Hall who died October 31st at the age of 73 while on duty. Mr. Gundersen, known simply as "Arthur," was a custodian at Clark for 55 years.

In recent years, Atwood Hall with its busy schedule of events had required most of Arthur's time, and he had found it necessary to leave much of the work in the Geography Building to his assistants. Yet, he was always available to cope with the emergencies and to conduct the periodic general cleanings.

During his many years at Clark, Arthur had come to be respected by all who knew him. As a valuable part of the Clark University team, his absence will be keenly felt.

Guy Parmenter

1952) is on leave of absence from his teaching post at George Washington University and is working for his Ph.D. Rusty's thesis topic was the use of urban lands for public recreation in Washington, D. C.

CHENG TSU WU (M.A. Ohio State University) is from Kwangan, China and is working for his Ph.D. in political geography.

JOHN PAGENSTECHE (A.B. Middlebury College, 1952) is from Long Island, New York. John, a Navy veteran, is an M.A. candidate and is particularly interested in Air Photo Interpretation and Arctic Geography.

WOLDE MARIAM MESFIN (B.A. Government College Ludhiana, Punjab, India) is from Addis Ababa, Ethiopia. After securing the M.A., Mesfin plans to work at the Geographic Institute in Ethiopia.

SCHOOL TO ADD MODEL OF MOUNT EVEREST

The Graduate School will soon be the owner of a famous model of Mount Everest. Arrangements are now in progress to transport the piece from its present location in Winnipeg, Manitoba, where it was recently shown at the Display of British Goods of the Prairie Fair.

The authenticity of the reproduction has been underwritten by Sir Edmund Hillary who inspected the model with the Duke of Edinburgh.

Upon arrival, the model, which stands six feet high on a stand six by eight feet, will be placed in the Work Room near the Sántis model.

THE MONADNOCK STAFF

Editor

RICHARD ELLEFSEN

Associate Editors

DANA LITTLE

KEITH FRASER

AN URGENT APPEAL

Although the funds received to date have been gratefully appreciated, only 25 per cent of the total number of MONADNOCK Questionnaires and contributions have been sent in by members of the C.U.G.S. Nearly 100 of the total of 400 members on THE MONADNOCK circulation list have contributed approximately \$150. Due to increased cost of printing, the amount contributed is only sufficient to cover about one half of the total cost in publishing the two issues. The financial burden will be extremely difficult for THE MONADNOCK to carry unless a greater number of people contribute.

It is also necessary to re-emphasize that only correspondence from the CUGS can result in the complete coverage of personal news and of THE MONADNOCK fulfilling its mission of truly being the voice of all the members of the Clark University Geographical Society.

The MONADNOCK is regularly published twice a year, in December and May, by the Clark University Geographical Society, Worcester, Massachusetts.