

THE MONADNOCK



VOL. XXVI NO. 1

DECEMBER 1951

THE MONADNOCK

VOL. XXVI NO. 1

DECEMBER 1951

NEW YEAR'S GREETING

My best wishes to the Alumni for a successful 1952 have a special meaning this year because of the series of international meetings this summer in Washington. Of these meetings the one of the International Geographical Congress is for us the most important. I hope you will be able to attend and use that opportunity, not only to give papers and attend meetings, but to meet again the Staff and your old friends of your period in the workroom. As a Clark reunion this is too good an opportunity to miss.

S. VAN VALKENBURG

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

STAFF ACTIVITIES

DR. SAMUEL VAN VALKENBURG, Director of the Graduate School of Geography, taught at Clark during the past summer. In addition to his teaching activities he rewrote his book *The Geography of Europe* in collaboration with Dr. Colbert Held. In October Dr. Van Valkenburg made a lecture trip to the University of Kentucky, Lexington and to Western Kentucky, Bowling Green.

DR. RAYMOND E. MURPHY, Professor of Economic and Urban Geography, traveled in the Middle West and South during the past summer studying urban centers as a part of his current research directed toward building up a composite picture of the American City. Dr. Murphy continues to serve on the Council of the A.A.G. as chairman of the Economic Geography Committee of the Committee on American Geography of the National Research Council. He is working with his committee in writing a chapter on economic Geography for the forthcoming book *American Geography: Inventory and Prospect*. He is also a member of the committee charged with writing a chapter on urban geography. In addition to these activities Dr. Murphy serves on the N.R.C. Committee which is Advisory to the Office of Naval Research. Together with Mrs. Murphy, Dr. Murphy has been revising *Pennsylvania Landscape*, a junior high school text. It is expected that this new edition will be out early in 1952.

DR. RICHARD J. LOUGEE, Professor of Physiography, spent much of the summer supervising the dissertations of Mr. deJonge and Mr. Jenness. Mr. deJonge's study of the St. John River Valley of New Brunswick is akin to Dr. Lougee's studies of New England glacial history and contributes new data on the marine

limit in New Brunswick. In addition to this supervision work, Dr. Lougee has written together with Mr. Vander Pyl an article which appears in the November issue of *The Scientific Monthly*. This account of glacial water levels in the Thames-Willimantic Valley of Connecticut describes the oldest known shorelines of the Ice Age. Crustal warping in this area reaches the phenomenal amount of eighteen feet per mile. Dr. Lougee has also been working on "A Chronology of Post-Glacial Times," a paper scheduled for presentation at the A.A.A.S. meeting in Philadelphia in late December. This scheme for a chronology divides post-glacial time on the basis of crustal movements and offers means for transcontinental as well as intercontinental correlations of events.

DR. HENRY J. WARMAN spent the summer at the University of Southern California where he conducted a work shop in geography and taught a course entitled "The United States and Its Possessions." He and his family thoroughly enjoyed the west coast trip. Included were visits to Yosemite, Sequoia, Grand Canyon and Rocky Mountain National Parks. Dr. Warman is currently teaching the course in Human Geography and feels it closely related to his special interest in Geography in Education. As next year's president of the New England Association of Social Studies Teachers he has been asked to speak for several Social Science groups. A recently presented paper was entitled "The Three R's Are Not Enough!," given at the Worcester County Teachers Convention. Dr. Warman is presently completing the final chapter of a book on the teaching of geography tentatively called *Geography—Backgrounds, Techniques and Prospects, for Teachers*.

DR. EDWARD C. HIGBEE, Professor of Soil Science and Land Utilization, spent the summer in

New York as a result of a three-month resident research grant. His research is directed toward a book *The Land Use History of New England*. Dr. Higbee's research this summer at the American Geographical Society has enabled him to begin the first draft of this book.

MR. GUY BURNHAM, Cartographer, spent the summer directing the cartography course at Clark. In addition he was busy as always supervising the workroom and aiding students in search of maps for thesis and project work.

VISITING LECTURERS

DR. ERWIN RAISZ, "cartographer extraordinary," is again adding his talents to the Clark Staff. On alternating Fridays Dr. Raisz conducts the Physiography Laboratory, instructing the student body in the drawing of animated cross sections. This year his work is directed toward the Physiography of the Americas.

DR. CHARLES C. COLBY met with the staff and the student body during one week of November, giving a series of lectures. The first of these lectures was entitled "Spark of Talent" and gave many personal impressions of great names in geography. The following lectures, "The Scientific Method in Land Use Planning," "Introduction to the Geography of Education," "Sea Trade in the World Order" and "Crisis in American Foreign Affairs" were both thought-provoking and informative.

DEGREES GRANTED

PH.D. DEGREES

June 14

Savitri Gauba Burman: Geographic Problems of Land Use in Nova Scotia. Box 5732, Raleigh, N. C.

Arthur Lowe Burt: Geography and Commercial Air Transportation. 2314 41st St. N.W., Washington 7, D. C.

Harry Harrison Caldwell: Tourism in Idaho, a study in tourist resource development. Dept. of Geog., Univ. of Idaho, Moscow, Idaho.

John Lewis Jenness: Oceanography and Physiography of the Canadian Western Arctic. Dept. of Geog., Univ. of Pittsburgh, Pittsburgh 13, Pa.

Wallace Edward McIntyre: Niagara Falls hydro-electric industry.

Aaron Joseph Wraight: Climatic Survey of Cuba. 216 12th St., S.E., Washington, D. C.

September 14

Harold Franklin Craveling: Pattern of Cultural Groups in Worcester, Massachusetts. Dept. of Geog., Boston Univ., Boston, Mass.

Engbert Jan Coen Kiewiet de Jonge: Glacial Water Levels in the St. John River Valley. Wagenaarweg 3, The Hague, Netherlands.

MASTER'S DEGREES

June 9

Naji Mulla Abbas: Geographic Background of the Development of Modern Turkey.

Mary Leonard Caruso: Burlington, New Jersey—An Urban Study. State Teachers College, Oneonta, N. Y.

John Martin Collins, Jr.: Beachhead to St. Lô; a study in military geography. 5737 Central St., Kansas City 2, Mo.

Brad Fisk, Jr.: Outline for an Urban Study of Worcester.

Andreas Peter Grotewold: Physiographic development of the Lake Quinsigamond Valley. 2 Seminar St., Heidelberg, Germany.

Neil Washington Halkyard: Bath and the Lower Kennebec.

Peter Hirschberg: Shifts in the Relative Importance of Various United States Ports, 1947 vs. 1937. 3595 Bainbridge Ave., New York 67, N. Y.

James Patrick Jones: New England's Tidewater Coal Supply. 146 Dorchester St., So. Boston, Mass.

David Hodgkins Kellogg: The Swift River Drainage Basin and Quabbin Reservoir. 26 Puritan Circle, Springfield, Mass.

Dana Anton Little: A classification of the climates of South America. G-2, Geographic Branch, GHQ, FEC; APO 500 c/o PM, San Francisco, Calif.

George Charles MacGillivray: Geography of Western Samoa. 1246 S. Taylor St., Arlington, Va.

Gloria Manter MacGillivray: A Contribution to the Climate of Continental Southeast Asia.

Wojciech Monkiewicz: Polis Settlement in New Britain, Connecticut. 62 Laurel St., Oakdale, Mass.

Andrew Smith Moreland: The Human Response to a Seaboard Location; Atlantic City, New Jersey. 26 So. 36 Ave., Longport, N. J.

Li-chang Shih: The Kansu Corridor, China.

Paul Peter Vouras: Geographic Study of Educational Land Use of Meriden, Connecticut. Massanunter Academy, Woodstock, Va.

Miles Waverly Weaver: Urban Land Use Patterns in Worcester, Massachusetts. 16 Ellis Ave., Reading, Mass.

September 14

Orton Carmichael Butler: Variability of Climate in South Africa.

Thomas Lee Goodman: Spain: A Study in Political Geography. RFD No. 2, Harrison, Maine.

William Luther Jeyasingham: The Kalutara District—with special reference to settlements.

Sister Mary Clarissima: Geography of Berks County, Pennsylvania.

Paul Vincent Salley: The Development and Delimitation of the Tattuck Area. State Teachers College, Gorham, Maine.

BUGS-IN-RESIDENCE

ATWELL, DONALD F.—B.A. from Denison University, Granville, Ohio in 1949. M.A. thesis in prepara-

tion: "Population Movements in Boston, 1940-1950."

BOISVERT, JEAN-JAQUES—B.A. from the University of Ottawa and M.A. from the University of Montreal. Thesis title: "Shawnigan Falls, etude de Geographie Urbaine". Plans: government work or teaching.

BOUCHER, BERTRAND P.—B.A. in 1950 and M.A. in 1951 from the University of Colorado. Thesis title: "The Sequence of Occupance in Baca County, Colorado." Plans: university teaching or research in Urban Geography.

BROOKS, HUGH C.—B.A. from University of Washington in 1947. Certificate from University of Geneva. M.A. Columbia University 1950. Thesis title: "Glasgow and Its Environs." Interests: Europe and Economic. Plans: Teaching.

BUSH, EVERETT—B.S. in Education in 1942 from State Teachers College, Westfield, Mass. M.A. from Clark University in 1947. Summer school training at Ohio State University in 1949 and 1950. Thesis title: "The Geography of the Potable Water Supply in the Connecticut River Valley of Massachusetts." On leave from the staff of Wittenberg College, Springfield, Ohio. Fields of interest: Economic and Urban Geography.

CENTORINO, JAMES J.—A.B. (1950) and A.M. (1951) from Boston University. Thesis title: "A Caloric Evaluation of Italy's Food Availability." Plans: teaching. Fields of Interest: Latin America and Europe.

CHANG, JEN-HU—B.A. from Chekiang University. M.A. thesis title: "Agricultural Geography of Formosa."

CHEW, MARGARET S.—M.S. from Northwestern University. On leave from the staff of Wisconsin State College.

DAVIS, ROBERT A.—B.A. from University of Toronto in 1948. M.A.

from Syracuse University in 1950. M.A. thesis: "Development of a Sector of the Western Rural-Urban Fringe of Syracuse." Plans: university teaching. Fields of Interest: Settlement geography.

DELLIQUADRI, LAWRENCE—B.S. Ed. from State Teachers College, Slippery Rock, Pa.

DORNBACH, JOHN E.—A.B. and B.S. in Education from Southern Illinois University. M.A. from Washington University. M.A. thesis: "An Experiment in the Delimitation of Type of Farming Areas in the Big Muddy River Basin of Southern Illinois." Major interest is climatology and South America as a region. Plans: teaching.

DUNKLE, JOHN R.—B.A.E., University of Florida; M.A. University of California at Los Angeles. M.A. thesis: "The Tourist Industry of Southern California." On leave of absence from University of Florida. Interests: Cultural and Economic Geography.

ESTRIN, LESTER—B.S. from U.C.L.A. Interests: Urban Geography. Plans: teaching.

FISK, BRAD—B.S., Swarthmore College, Pa., 1948. M.A. Clark University, 1951. Publications include "Wadi Thar Flood Control Project, Comment on Dujaila and the Iraqi Dujaila, a Land Settlement Project." Interested in the Arab and Moslem worlds, physiography and ecology. Plans: government service and teaching.

FRASER, IAN SHENSLONE—B.A. University of Toronto. Thesis title for B.A.: "Regional Geography of Northern Manitoba." Interested in settlement geography and plans to teach.

FREILE, ALFONSO—Ph.D. Universidad Chile. Writings include "The Calbuco Islands of Chile" and "Geography and Geology of Puerto Cruz, Venezuela."

HAGLUND, A. CAROLLA—B.S.

in Education from State Teachers College, Gorham, Maine. Interested in Human Geography and Historical Geography. Plans to teach.

HARRIS, ALAN—B.S. and M.A. from the London University. M.A. thesis: "17th and 18th Century Agricultural Patterns in the East Riding of Yorkshill." Main interests Historical Geography and at present working on a land-use of eastern Massachusetts during the Colonial period.

HUNTER, WILBUR—University of Pittsburgh B.S. and M.A. Economic and Human Geography. Plans to teach or work for government.

HUSAIN, AZRA—B.A., University of Punjab; M.A., University of Sind. Written articles include: "A Workable Analysis of the Precipitation Data for Quetta" and "The Climate of Quetta and Its Effects on Plant, Animal and Human Life." Special interests in climatology. Plans to teach and do research.

JEYASINGHAM, WILLIAM—B.Sc. London University and M.A. Clark University. M.A. thesis: "The Kalutara District (Ceylon) With Special Reference to Settlements." Plans to return to Ceylon, complete his Ph.D. dissertation and rejoin the staff of Jaffna College.

KELLAND, FRANK—B.Ed., Keene Teachers College, 1951. Interested in Geography of the High Latitudes and Political Geography. Plans to teach or enter government service.

LAING, JEAN—B.A. from Nottingham University, England.

LATENDRESS, HAZEL—B.Ed. Rhode Island College of Education (1946) and M.A., Clark University (1948). On leave of absence from State Teachers College, Livingston, Ala. M.A. thesis: "Commercial Rice Production of Rio Grande do Sul." "A Geography Project for Elementary School Level" published in the *Journal of Geography* in 1950.

MARTIN, CURTIS V.—B.S. in

Education from State Teachers College.

MATZAT, WILLI—University of Erlanger, Germany. Interest in physiography.

MAUNG, THEIN—B.S. (honors) from University of Rangoon, Burma. On leave of absence from University College, Mandalay, Burma. Writing M.A. thesis on "The Agricultural Geography of the Madaya and Amarpura Townships." Main interests in Climatology and Political Geography. Plans to continue teaching at University College.

MORRISON, WALTER—B.S. in Education from Bridgewater State Teachers College, Bridgewater, Mass.

NELSON, HERMAN J.—B.S. from Iowa State Teachers College; M.S. from the University of Iowa.

PAWLIKOWSKI, DANIEL—A.B. Clark University.

PAWLING, JOHN—B.S. in Ed., State Teachers College, West Chester, Pa. Plans: teaching.

PEARSON, PHILIP—A.B. Dartmouth College in 1951.

RANDALL, RICHARD R.—A.B. and M.A. from George Washington University. M.A. thesis title: "The Federal Resource Survey Program." Plans to enter government service.

RIMBERT, SYLVIE—Licence es Lettres, Diplome d'etudes Supérieures, University of Paris. Article: "Dairy Production in the 'Pays de Bray.'" Plans: teacher or cartographer.

SENANARONG, SAWAT—B.A. from Chulalongkorn University, Bangkok, Thailand. Plans: teaching in Thailand.

SHOWKET, IBRAHIM—Higher Teachers College, Baghdad, and Nottingham University, England. Publications: five texts adopted by Iraq Ministry of Education.

SMOLSKI, CHESTER E.—B.S. in Ed. (1951) from Bridgewater State Teachers College, Mass. Plans: teaching.

TUCKER, GRADY O.—B.S., B.A.,

M.A. from University of Florida. Thesis title: "The Marianna Lowlands of Florida." Fields of Interest: Cartography, urban geography, statistical analysis.

VAN DE BUNT, WOUTER—Doctorandus of Economic Sciences, 1951, Netherlands Economic University, Rotterdam. Publications: "Zanzibar" and "Steenkolen in Zuid-Africa" in the *Tijdschrift voor Economische en Sociale Geografie*. Also articles in Winkler-Prins' *Netherlands Encyclopedia*.

VANDER PYL, ADRIAN—B.A. Clark University 1950. Interests: Glacial Physiography. Plans: organization of a map company.

WATERMAN, NANCY — B.A. Mount Holyoke College, Clark Graduate Student 1950-51, 1951-52. Working on M.A. thesis. Plans: Teaching or government work. Interests: Human Geography.

FIELD CAMP—1951

On the morning of Thursday, 27th September, a fleet of cars burdened with equipment left Clark Campus. Squeezed in amidst their respective possessions were members of the Graduate School of Geography bound for the annual Field Camp. The destination was Camp Leslie, Georgetown, Massachusetts, a 4-H Club camp site just north of Georgetown Center. Working from this base it was hoped that the greater part of Essex County, hitherto unvisited by the School, would be surveyed.

In preliminary discussions at Clark, Dr. Lougee, Director of the Camp, had spoken of the reasonable material comforts afforded by Camp Leslie. They were indeed very reasonable. A large and well-lighted dining hall and kitchen; dormitory cabins of good construction and washing facilities exceeding the most sanguine of hopes. Altogether, the impression was immediately favorable. The situation on the wooded bank of Pen-



photo by Walter Morrison

CLARK GRADUATE SCHOOL OF GEOGRAPHY 1951-1952

Seated—Left to Right: Dr. H. Warman, Dr. R. Lougee, Dr. E. Higbee, Dr. S. Van Valkenburg, Dr. R. Murphy, Mr. G. Burnham. Standing—First Row: W. Hunter, A. Husain, H. Latendress, C. Haglund, J. Laing, S. Rimbert, M. Chew, N. Waterman, S. Senanarong, W. Jevingham, J. Boisvert. Standing—Second Row: W. Matzat, A. Freile, C. Smolski, H. Nelson, R. Randall, J. Centorino, S. Atrushi, I. Fraser, J. Dunkle, L. Delliquadri. Standing—Third Row: T. Maung, R. Davis, P. Pearson, L. Estrin, G. Tucker, D. Atwell. Standing—Last Row: J. Dornbach, E. Bush, W. Van de Bunt, J. Pawling, B. Fisk, F. Keland. Not shown: B. Boucher, H. Brooks, A. Harris, C. Martin, W. Morrison, L. Showket, A. Vander Pyl.

tucket Pond and the early ministrations of our cook, Mr. Walter Ledger, were also appealing.

As in previous years, the work was planned to include the mapping of a square mile of territory by each party; the mapping of the physiography and land-use of a larger area and the elements of field sketching. During Field Camp Dr. Murphy was to organize an urban study of Lawrence and a weather station was to be maintained at the Camp itself. At a high level there were those who hoped that the weather would prove propitious enough to allow a microclimatic study in the small hours of the morning.

The first afternoon was spent investigating the immediate camp surroundings with Drs. Lougee, Warman and Higbee. Acquaintance was very soon made with the details of a glaciated lowland and with the traditional foes of Clark Field groups—dogs and poison ivy. One suspects that some members of the party also silently appraised the cultural facilities of Georgetown and district finding them somewhat lacking.

The following day work began in earnest with the mapping of the square mile. Deltas, eskers and till figured largely in most conversations as did canine hazards. It was valuable experience, for the group was thereby armed and forewarned for study of the larger districts.

Sunday, 30th September was Visitors' Day. Camp was suitably decorated and victualled in readiness for the arrival of Dr. Van Valkenburg and the wives and families of those at Camp. And so for a day—relaxation.

The mapping of Essex County occupied much of the remainder of the period of Camp, fortunately without any interference from bad weather. A broad impression of the coastal areas had been obtained from a day's excursion to Cape Ann on the first Saturday at Camp. The trip in-

cluded visits to both Rockport and Gloucester. For those parties who spent most of their time struggling through cut-over woods on subsequent days such a trip was both invigorating and heartening.

Evenings at Camp were spent in preparing reports and in organizing parties to invade Haverhill and Lawrence in search of a hot shower. Rumor also has it that some persons unknown habitually repaired to a tavern in the vicinity of Camp. There discussions of the findings of the day waxed strong in the convivial atmosphere of television and other appurtenances.

On October the 30th Dr. Raisz arrived to teach aspects of field sketching. From a low hill overlooking Johnson's Pond in Groveland the group sketched a landscape aflame with autumn color. At length, horizontal and vertical reference points were obliterated by mist. At Camp the efforts of the afternoon were displayed to the amusement of all.

President Jefferson arrived that same evening and after dinner Dr. Raisz gave a lecture (illustrated with colored slides) on a recent visit to the Middle East.

Sunday, October the 7th was very wet. Nevertheless, braving the rain, the group set out to view items of special interest noted during the surveys of the preceding week. Varved clays and eskers were the chief objects of interest and were duly admired.

Dr. Murphy arrived for the urban work that same evening. Monday and Tuesday were spent in Lawrence plotting land-use and the distribution of cultural groups in that city. Door-to-door interviewing in connection with this latter task provided many novel experiences.

This last week was a full one. The urban study having been completed, the Special Report demanded attention. Over everyone hung the threat

(or opportunity?) of a midnight summons to swing thermometers. It was a threat only. For meteorological reasons Camp slept in peace, but student weather forecasts were a matter of some interest at this time.

On Friday, October 12th, Camp was struck. Provisions were auctioned off, baggage stowed and the return journey to Worcester begun. Only the final report remained to be written.

Those who were at camp will probably remember certain experiences above all others. One will be Dr. Lougee, faithful to his cause, running through the rain to each parked car shouting about an adjacent esker. A second will be the sight of a car parked (by mistake and poor brakes) in Pentucket Pond. A third will be the variety of golds and reds in the New England foliage. Finally, in later and more dignified years members who meet will re-visualize tousled hair at breakfast time, rumpled clothing the second week, midnight singing and the spirit of fine cooperation developed by joint study.

BUGS SOCIAL DOINGS

During one of the early meetings of CUGS a social committee composed of John Dornbach, Dan Pawlikowski and Curtis Martin was appointed to investigate the possibility of activities which might serve to bring the members of CUGS closer together socially. As a result of their planning the first event of the year was a buffet-dinner party held at the Yankee Division Hall on Main Street. After a meal provided by student wives dancing and singing completed the evening. All were entertained by "renderings" of native folk songs by Wouter Van de Bunt of the

Netherlands, Jean-Jaques Boisvert of Canada, Thein Maung of Burma, and Alfonso Freile of Chile. "Clementine" sung by an American-Dutch-French trio is an unforgettable experience.

Future plans for CUGS include field trips to nearby industrial plants, a Yuletide Party and a spring picnic.

CUGS OFFICERS

In line with tradition at a late evening meeting the members of the Field Camp elected (perhaps drafted would be a better term) their officers for this school year. These officers are as follows:

President—Everett Bush
Vice President—Nancy Waterman
Treasurer—Hugh Brooks
Secretary—Jean Laing

MONADNOCK STAFF

Editor

John R. Dunkle

Assistant Editors

Carolla Haglund Thein Maung
Alan Harris Herman Nelson
Frank Kelland Nancy Waterman

Mailing Department
All the CUGS

EDITORIAL NOTE

Alumni response to fall letters has been exceedingly good. The spring issue will, therefore, be composed of a very thorough survey of alumni activities. This emphasis is a reflection of your desires expressed in the returned question blanks.