SVERIGES GEOLOGISKA UNDERSÖKNING

SERIE C NR 630 AVHANDLINGAR OCH UPPSATSER ÅRSBOK 62 NR 1

SWEDISH GEOLOGICAL LITERATURE 1958-1963

EDITED BY

WALTER LARSSON

STOCKHOLM 1968

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EDITOR: PER H. LUNDEGÄRDH

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PREFACE

The following bibliography constitutes the continuation of the series published in "Geologiska Föreningens i Stockholm Förhandlingar" (GFF) by R. Sandegren (1927—1955) and the present editor (1956—1957).

The bibliography aims at being a complete list of the geological literature published in Sweden during the six years 1958—1963, as well as of papers printed abroad by Swedish authors or dealing with Swedish geology. No reviews are given. The titles are reproduced in the original language and in English translation. The same subdivision into subject groups has been applied as in earlier issues of the bibliography.

ABBREVIATIONS

BGIU — Bulletin of the Geological Institutions of the University of Uppsala.
BN — Botaniska Notiser.
GFF — Geologiska Föreningens i Stockholm förhandlingar.
KVA — Kungl. Svenska Vetenskapsakademien.
SBT — Svensk Botanisk Tidskrift.
SGU — Sveriges Geologiska Undersökning.
SGÅ — Svensk Geografisk Årsbok.

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1958

REGIONAL GEOLOGY

AHLBERG, BIRGITTA: Öland. En geografisk och kulturhistorisk översikt [Öland. A geographical and historico-cultural survey]. — Vad skall jag se på Öland. Sv. Turistfören. Resehandb., pp. 9—29, 1 text-fig. Stockholm.

ATLESTAM, PER-OLOF: Vättern — sagornas sjö [Vättern — the lake of the legends]. — Östergötland. En läsebok om hembygden, pp. 107—111, 3 text-figs. Uddevalla.

BJARNEHÄLL, KARL GUSTAF: Halland. Hela Sveriges badstrand [Halland. The bathing-beach of all Sweden]. — Klassbibl. landskapsböcker, 9, 48 pp., 73 text-figs. Stockholm.

BLOMBERG, J. E.: Bollnäs. Del I: Historia [Bollnäs. Part I: History]. — 446 pp., 272 text-figs. Bollnäs. (Chapter on geology pp. 23—48.)

BODLUND, A.: Söderala förr och nu. En 800-årig Hälsingesockens historia [Söderala then and now. The history of an 800-year-old parish in Hälsingland]. — 359 pp., 213 text-figs. Söderhamn. (Chapter on topography and geology pp. 7—13.)

CHABOT, GEORGES: L'Europe du Nord et du Nord-Ouest. II. La Finlande et les pays scandinaves [North and North-West Europe. II. Finland and the Scandinavian countries]. — Orbis. Introduction aux études de Geographie, 370 pp., 68 text-figs., 6 plates. Paris.

ENGSTRÖM, TORSTEN: Kolmården — den mörka skogen [Kolmården — the dark forest]. — Östergötland. En läsebok om hembygden, pp. 85—91, 3 text-figs. Uddevalla.

FRIETSCH, RUDYARD: Kurravaarakomplexets (inom Kirunaområdet) geologiska ålder [The geological age of the Kurravaara complex (in the Kiruna district)]. — Geologi, 10, p. 17. Helsinki.

GARFVÉ, AXEL & ODHNER, EINAR: Fellingsbro sockens historia [History of the parish of Fellingsbro]. — Fellingsbro Hembygds- och Fornminnesfören. Förl., 3rd Ed., 382 pp., 115 text-figs., 4 plates. Lindesberg. (Situation and nature pp. 13—26. Iron industry and mining pp. 314—324.)

GAVELIN, SVEN: Synpunkter på urbergsstratigrafin inom gränsområdena mellan Västerbottens och Norrbottens län [Aspects of the Archean stratigraphy in the boundary districts between the counties of Västerbotten and Norrbotten]. — GFF, 80, pp. 198—208. English abstract p. 198. Stockholm. Also as Medd. fr. Stockholms Högsk. Min. Inst., 215.

GEIJER, PER: Några urbergsstratigrafiska frågor i Norrbottens län [Some problems of Archean stratigraphy in the county of Norrbotten]. — GFF, 80, pp. 423—432. English abstract p. 423. Stockholm.

GRIP, ERLAND: Landformer, berggrund, jordarter [Land forms, bedrock, soils]. — Byske socken. Bidrag till en bygdeskildring, pp. 9—19, 6 text-figs. Umeå.

GRIPP, KARL: Cimbrische Halbinsel, Ostsee-Trog und Norwegische Rinne [The Cimbrian peninsula, the Baltic trough, and the Norwegian furrow]. — Z. f. Geomorphol., N. F., 2, pp. 251—257. English summary p. 256. French summary pp. 256—257. Berlin.

GUDELIS, V.: Lietuvos geografinės aplinkos raida geologinėje praeityje [Geological development of the geographical milieu of Lithuania]. — Lietuvos TSR Fizinė Geografija, 1, pp. 42—100, 26 text-figs., 1 plate. Vilnius.

GUDMUNDSSON, GUNNAR: Gamla Litsälven [The old river Litsälven]. — Lits Hembygdsfören. Skriftser., 9, pp. 101—158, 26 text-figs. Östersund.

GUILCHER, A. & BEAUJEU-GARNIER, J.: L'Europe du Nord et du Nord-Ouest. I. Généralités physiques et humaines [North and North-West Europe. I. Physical and human generalities]. — Orbis. Introduction aux études de Geographie, 258 pp., 39 text-figs., 2 plates. Paris.

HEMBY, EDITH: Här är den bygden. Härslöv genom tiderna [Here is the country. Härslöv through the times]. — 494 pp., 170 text-figs. Hälsingborg. (Chapters on geology pp. 11—16.)

JOHANSSON, KNUT & SVENSSON, JARIL: Berggrund och jordmån [Bedrock and soils]. — Öttum, min hemsocken, pp. 7—8. Skara.

KARLSSON, KARL J. (K. J. K.): Hur naturen danat Väse [How nature has formed Väse]. — Väse socken i forntid och nutid, pp. 13—15, 2 text-figs. Karlstad.

KAUTSKY, GUNNAR: Skelleftefältets stratigrafi och geologiska utvecklingshistoria [Stratigraphy and geological history of development of the Skellefte district]. — Geologi, 10, p. 18. Helsinki.

KULLING, O.: Ajaure crystalline. Akkajaure complex. Ammarnäs complex. Amphibolite-gneiss nappe. Anorthosite sheet. Ansätten nappe. Ås-Husås nappe. Balsfjord group. Bångåsen beds. Bjerme nappe. Blaik nappe. Bränna conglomerate. Broken (slate, quartzite) series. Cambro-Silurian (western facies). Chlorite-sericite-schist complex and Chlorite-schist complex. Conglomerate-sandstone series (of the Sulitelma-Salojaure region). "Devonian". Ekeberg nappe. Fjällfjäll quartzite. Föllinge nappe. Fuda nappe. Garbmadakk conglomerate. Gasak nappe. Gautojaure complex. Gemsåive quartzite. Gilliks (quartzite, conglomerate) series. Gimja con-

glomerate. Green-schists of Ullisjaure type. Grytsjö dolomite. Gurkfjäll series. "Hard schists". *Hyolithes* zone. Jägnafo tuffitic rocks. Jämtlandish nappes. Järvsjö quartzite. Jullega formation (and J. limestone). Juoksa nappe. Juron quartzite. Kaskajaure complex. Keddåive dolomite. Klippo formation. Köli nappe. Laisan nappe. Laisberg sandstone series. Landverk nappe. Långmarkberg tillite series. Laotak series. Låtats lava beds. Lövfjäll series. Lower quartzite formation (of Mt. Södra Storfjället). Luspas formation. Mesket (agglomerate, greenstone) series. Mobäcken series. Murberg series, M. slates. Mylonitic granite nappe. Offerdal conglomerate. Offerdal nappe. Olden nappe. "Pentamerus limestone". Pieske limestone, P. series. Pieske nappe. Portfjäll quartzite conglomerate. Quartzite-shale series. Rautas complex. Red conglomerate (of the Bäckstrand type in the Sparagmite series). Reppi schists. Risbäck epoch. Rivovardo crystalline. Ro series. Rödingfjäll nappe. Rödingsnäs (slates to) schists (series). Ropen limestone. Rotik (conglomerate) series. Salo nappe. Sandstone conglomerate (of the eastern marginal zone of the Norrbotten mountains). Sarvas series. Sarvas thrust-mass. Seima (agglomerate, greenstone), S. series. Seve nappe. Sito tillite. Skertas thrust-mass, S. formation. Skute nappe. Slätdal limestone, S. series. Solberg series. Sparagmite series (Sparagmite system). Stalo series. Stalon schists. Strima limestone. Stuopik black schists. Sunne nappe. Syter series. Titir limestone. Tjakkik formation. Tjålt quartzite. Tjäula formation. Tjäula quartzite. Tuoddar conglomerate. Upper quartzite-schist formation (of Mt Södra Storfjället). Vakkejokk breccia. Varanger Ice Age. Varved shale (of the Varanger Ice Age). Vasten nappe. Vemdal epoch. Vemdal quartzite (and Ström quartzite). Vemdal (quartzite) nappe. Virijaure conglomerate. Viris quartzite (series). Vojtja conglomerate. Vojtja-Slätdal series. Vuoksa conglomerate. Vuonjaålke crystalline. Vuorgin formation. Yraf complex. — Lexique Stratigr. Int., I:2c, pp. 15, 21—22, 26—27, 32—34, 36—37, 40, 42, 47—48, 53—54, 64, 69, 91, 106, 113, 115—122, 129, 132, 138—139, 155—157, 159—160, 163—164, 169—170, 176—177, 179, 183—186, 207—208, 212, 216, 226—227, 237, 245—246, 254—257, 259—260, 288, 292—294, 299, 313, 317—318, 324—333, 335, 339—341, 345—348, 354, 356—360, 364, 367—369, 373, 377, 381—382, 387, 396, 400—401, 403—411, 414—418, 424—425. Paris.

LARSSON, ALGOT: Grangärde i vetenskapens ljus [Grangärde in the light of science]. — Grängesberg-Grangärde. En hembygdskrönika, pp. 14—24, 2 text-figs. Lindesberg.

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LINDSTRÖM, MAURITS: Tectonic transports in the Caledonides of northern Scandinavia east and south of the Rombak-Sjangeli window. — Publ. fr. the Inst. of Min., Paleont. and Quatern. Geol., Univ. of Lund, Sweden, 43, 14 pp. Lund. Also as academical dissertation (Lund).

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LINDSTRÖM, MAURITS: Tektoniska transportriktningar i Kaledoniderna längs östra sidan av Rombak-Sjangeli-fönstret [Tectonic transport directions in the Caledonides along the east side of the Rombak-Sjangeli window]. — Geologi, 10, p. 18. Helsinki.

LINDSTRÖM, MAURITS: Toward a further hypothesis on the Scandinavian Caledonides. — GFF, 80, pp. 363—380, 7 text-figs. Stockholm. Also as Publ. fr. the Inst. of Min., Paleont. and Quatern. Geol., Univ. of Lund, Sweden, 56.

LUNDEGÅRDH, P. H.: Algonkian. Åmål series. Åmål-Kroppefjäll granite series. Archean. Archeozoic. Bohus-Karlshamn granite group. Bothnian. Dal series. Dala porphyry series. Dala series. Dalslandian. Eocambrian. Gillberga syncline. Gothian. Gothides. Gotho-Karelian. Grythytte series. Hammarö series. Hamrånge syncline. Haparanda granite series. Härnö series. Hauki complex. Jatulian. Jörn-Arvidsjaur granite series. Kappebo series. Karelian. Karelides. Kiruna series. Lapponian. Larsbo series. Leptite system. Leptite-hälleflint series. Lina granite group. Loos-Hamra region. Lower Loos series. Mälar series. Noppi series. Pajala series. Rämsberg group. Skellefte field. Småland porphyries. Småland-Filipstad granite series. Sparagmitian. Stockholm-Fellingsbro granite group. Stora Le-Marstrand series. Sub-Loos series. Svecofennian. Svecofennides. Svecofennidic. Svionian. Svionides. Tisselskog formation. Upper Loos series. Urgranit series. Vestanå series. Vestervik group. — Lexique Stratigr. Int., I:2c, pp. 17—18, 20—21, 28—29, 44—46, 80—82, 84, 87, 108, 120—121, 124—127, 131—132, 134—136, 139—141, 160—162, 166—168, 172—173, 185—186, 192—193, 200, 207, 210—211, 222, 249, 278, 314, 342—345, 353, 360—361, 365—366, 371, 375—377, 381, 392—393, 399—400, 409—410. Paris.

LUNDEGÅRDH, PER H.: Göteborgstraktens berggrund [The bedrock of the Gothenburg region]. — SGU, C 553 [= Årsb. 51(1957):4], 82 pp., 41 text-figs., 1 plate. English summary pp. 5—8. Stockholm.

LUNDQVIST, JAN: Västmanlands geologiska historia [The geological history of Västmanland]. — Natur i Västmanland, pp. 14—37, 13 text-figs. Uppsala.

MAGNUSSON, NILS H.: A short review of the geological history of Sweden. — Lexique Stratigr. Int., I:2c, pp. 3—7. Paris.

MAGNUSSON, NILS H.: Det svenska urbergets åldersindelning [The age division of the Swedish Archean]. — Geologi, 10, p. 18. Helsinki.

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REMGÅRD, ARNE: En bok om Fyrunga [A book on Fyrunga]. — 259 pp., 83 text-figs. Skara. (Topography, soils, and watercourses pp. 134—140.)

ROSÉN, BO: Den långa födelsen [The long birth]. — Nordingrå. Rabén & Sjögrens, pp. 12—20, 6 text-figs. Stockholm.

STRANDELL, ERIK: Naturen i Köpingstrakten [The nature in the Köping area]. — Natur i Västmanland, pp. 272—280, 4 text-figs. Uppsala.

WELIN, ERIC: Åldersbestämningar av bergarter i Östkarelen och på Kolahalvön [Age determinations of rocks in East Karelia and on the Kola peninsula]. — GFF, 80, p. 351. Stockholm.

ZENZÉN, N.: Köli group. Seve group. — Lexique Stratigr. Int., I:2c, pp. 177—179, 335—339. Paris.

ÅHMAN, ERIK: Några drag ur Kalmarområdets berggrundsgeologi [Some outlines of the bedrock geology of the Kalmar area]. — GFF, 80, pp. 481—487, 4 text-figs. English abstract p. 481. Stockholm.

ÅHMAN, E. & LUNDEGÅRDH, P. H.: Arvidsjaur porphyry series. Bälinge group. Kalix series. Kiruna-Arvidsjaur series. Lower Hauki group. Pite formation. Svartlå series. Upper Hauki group. Vetlanda series. — Lexique Stratigr. Int., I:2c, pp. 29—30, 33, 165, 173, 210, 294, 374—375, 392, 410. Paris.

ÖSTER, JOHANNES: Hur Östergötland skapats — geologisk utveckling [How Östergötland was created — geological evolution]. — Östergötland från forntid till nutid, pp. 10—21, 7 text-figs. Linköping.

GENERAL AND DYNAMIC GEOLOGY

ALFVÉN, H.: On the theory of magnetic storms and aurorae. — Tellus, 10, pp. 104—116, 5 text-figs. Stockholm.

ALTSHULLER, AUBREY P.: Natural sources of gaseous pollutants in the atmosphere. — Tellus, 10, pp. 479—492. Stockholm.

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ARNBORG, LENNART: The use of diving in fluvial-morphological investigations. — Union Géodés. et Géophys. Int., Ass. Int. d'Hydrol. Sci., Assemblée Générale de Toronto 3—14 sept. 1957, 1, pp. 195—202, 6 text-figs. Gentbrugge.

ARRHENIUS, GUSTAF & WELANDER, PIERRE: Hur uppkom jorden? [How did the earth originate?] — Röster i Radio-TV, 1958: 4, pp. 44, 53, 1 text-fig. Stockholm.

BAILEY, HARRY P.: A simple moisture index based upon a primary law of evaporation. — Geogr. Ann., 40, pp. 196—215, 5 text-figs. Stockholm 1958 (1959).

BEHRENS, S.: Hauptzüge der Oberflächengestaltung Schonens [The chief outlines of the morphology of Scania]. — Wiss. Z. der Ernst Moritz Arndt-Univ. Greifswald. Math.-Naturwiss. Reihe Nr 1/2, 7, pp. 55—63, 7 text-figs. Greifswald.

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BÅTH, M: A revised model for continental channel-wave propagation. — Ibid., pp. 88—89. Disc. Tocher, Båth, De Bremaecker, Press, ibid., p. 89. Strasbourg.

BÅTH, M.: Contributions to discussion after papers by H. Benioff, E. Bisztriczány, J. Darbyshire, B. Gutenberg, B. F. Howell, N. V. Kondorskaya, C. Lomnitz, F. Neumann, C. F. Richter, R. Stoneley, and D. Tocher. — Ibid., pp. 116, 70, 118, 122, 101, 77, 93, 159, 108, 132, 88, and 79. Strasbourg.

BÅTH, M.: Contribution to discussion exchange of data for Arctic and Antarctic earthquakes. — Ibid., p. 199. Strasbourg.

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BÅTH, MARKUS: Seismic exploration of the earth's crust. Recent developments. — GFF, 80, pp. 291—308, 17 text-figs. Stockholm. Also as Meteor. Inst. K. Univ. Uppsala, Medd., 60.

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DAVIDSSON, JAN: Sedimentpetrografiska undersökningar längs Öresundskusten vid Råå [Sediment-petrographical investigations along the coast of the Sound at Råå]. — Medd. fr. Dansk Geol. Foren., 14, pp. 29—36, 5 text-figs. English abstract p. 29. København.

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