

LIST OF PUBLICATIONS ON SURTSEY RESEARCH
AND RELATED SCIENTIFIC WORK

List of publications on Surtsey research
and related scientific work

B I O L O G Y

- Brock, T.D., 1966: The habitat of *Leucothrix Mucor*, a widespread marine microorganism. Vol. 11, No. 2, April 1966, pp. 303-307.
- Brock, T.D., 1965: Mode of growth of *Leucothrix Mucor* in pure culture and in nature, as studied by tritiated thymidine autoradiography. Department of Microbiology, Indiana University.
- Brock, T.D., 1966: Microbial Life on Surtsey. Surtsey Research Progress Report II, p. 9-13.
- Brock, T.D., 1965: Microbial growth in the Marine Environment. Direct analysis by autoradiography.
- Brock, T.D. and Brock, M.L. 1966: Temperature optima for algal development in Yellowstone and Iceland hot springs. *Nature* 209: p. 733-734.
- Brock, T.D. and Brock, M.L. 1967: Progress Report on Microbiological studies on Surtsey and the Icelandic mainland. Surtsey Research Progress Report III, p. 6-12.
- Cavaliere, A.R. 1968: Marine fungi of Iceland: a preliminary account of Ascomycetes. *MYCOLOGIA* (In Press).
- Einarsson, E. 1965: Report on dispersal of plants to Surtsey Res. Progr. Report I, p. 16-18.
- Einarsson, E. 1966: On dispersal of plants to Surtsey. Surtsey Res. Progr. Report II, p. 19-21.
- Einarsson, E. 1967: Comparative ecology of colonizing species of vascular plants. Surtsey Res. Progr. Report III, p. 13-16.

- Einarsson, E. 1967: The Colonization of Surtsey, The New Volcanic Island by Vascular Plants. Aquilo, Ser. Botanica, Tom. 6, Societas Amicorum Naturae Ouluensis, p. 172-182.
- Fridriksson, S., 1965: Fjörúkál (*Cakile edentula*) í Surtsey og fræflutningur á sjó. - Náttúrufræd., 35, p. 97-102.
- Fridriksson, S. 1964: The colonization of the dryland biota on the island of Surtsey off the coast of Iceland. Náttúrufræd. 34, p. 83-89.
- Fridriksson, S. and Johnsen, B., 1967: The vascular flora of the outer Westman islands. Reprinted from Greinar IV, 3, 1967, Societas Scientiarum Islandica, Reykjavík, Iceland.
- Fridriksson, S. 1965: Biological records on Surtsey. Surtsey Res. Progr. Rep. I, p. 19-22.
- Fridriksson, S. 1965: The first species of higher plants in Surtsey, the new volcanic island. Náttúrufræd. 35, p. 97 - 102.
- Fridriksson, S. 1966: The pioneer species of vascular plants in Surtsey *Cakile edentula*. Surtsey Res. Progr. Rep. II, p. 63-65.
- Fridriksson, S. 1966: The possible oceanic dispersal of seed and other plant parts to Surtsey. Surtsey Res. Progr. Report II, p. 59-62.
- Fridriksson, S. 1966: A second species of vascular plants discovered in Surtsey. Surtsey Res. Progr. Rep. III, p. 17-19, and Náttúrufræd. 36, 1966, p. 157-158.
- Fridriksson, S. 1968: Life arrives on Surtsey. New Scientist, 28 March 1968, p. 684-687.
- Fridriksson, S. 1966: Melgresi í Surtsey. Náttúrufræd. 36, 1966, p. 157-158.
- Fridriksson, S.: Um adflutning lífvera til Surtseyjar (The colonization of dry land biota on the island of Surtsey). Náttúrufræd. Vol. 34, No. 2, 1965, p. 83-89.

- Fridriksson, S. and Johnsen, B. 1966: Preliminary Report on the vascular flora of the lesser Westman Islands. Surtsey Res. Progr. Rep. II, p. 45-58.
- Gudmundsson, F. 1966: Birds observed on Surtsey. Surtsey Res. Progr. Rep. II, p. 23-28.
- Gudmundsson, F. 1967: Bird observations on Surtsey in 1966. Surtsey Research Progr. Rep. III, p. 37-41.
- Hallsson, S. 1966: Preliminary study of the development of population of marine algae on stones transferred from Surtsey to Heimaey 1965. Surtsey Res. Progr. Rep. II, p. 31-33.
- Johnsen, B. and Fridriksson, S. 1967: On the vegetation of the outer Westman Isles 1966. Surtsey Res. Progr. Rep. III, p. 20-36.
- Johnson, T.W., Jr. 1966: Rozella marina in Chytridium polysiphoniae from Icelandic waters. MYCOLOGIA, 58: 490-494.
- Johnson, T.W., Jr. 1966: Report on research in mycology 30 March - 5 April 1966. Surtsey Res. Progr. Rep. II, p. 29-30.
- Johnson, T.W., Jr. 1967: Mycological investigations in Iceland III. Surtsey Res. Progr. Rep. III, p. 42.
- Johnson, T.W., Jr. 1968: Aquatic fungi of Iceland: introduction and preliminary account. Jour. Elisha Mitchell Sci. Soc. (In Press).
- Jónsson, S. 1966: Initial settlement of marine benthic algae on the rocky shore of Surtsey, the new volcanic island in the North Atlantic. Surtsey Res. Progr. Report II, p. 35-44.
- Jónsson, S. 1966: Biologie Marine - Le commencement du peuplement benthique des côtes rocheuses du Surtsey, la nouvelle île volcanique dans l'Atlantique Nord. C.R. Acad. Sci. Fr., 262, 915-918.
- Jónsson, S. 1967: Further settlement of marine benthic algae on the rocky shore of Surtsey. Surtsey Res. Progr. Report III, p. 46-56.

Kolbeinsson, A. and Fridriksson, S. 1967: A preliminary report on studies of microorganism on Surtsey. Surtsey Res. Progr. Report III, p. 57-58.

Lindroth, C.H. 1967: Djurvärlden erövrar en ny ö: Surtsey vid Island, p. 244-252.

Lindroth, C.H., Anderson, H. and Bödvarsson, H. 1966: Report on the Surtsey investigation in 1965, terrestrial invertebrates. Surtsey Res. Progr. Report II, p. 15-17.

Lindroth, C.H., Anderson, H., Bödvarsson, H. and Richter, S. 1967: Report on the Surtsey investigation in 1966. Terrestrial invertebrates. Surtsey Res. Progr. Report III, p. 59-67.

Nicolaisen, W. 1967: Marine biological studies around Surtsey. Surtsey Res. Progr. Report III, p. 68-69.

Ponnamperuma, C., Young, R.S. and Caren, L.D. 1967: Some chemical and microbiological studies of Surtsey. Surtsey Res. Progr. Report III, p. 70-80.

Sigurdsson, A. 1965: Report on the marine biological survey around and on Surtsey. Surtsey Res. Progr. Report I, p. 23-25.

Skúladóttir, U. 1966: Report on the marine biological survey around and on Surtsey. Surtsey Res. Progr. Report II, p. 67-73.

G E O L O G Y

Kjartansson, G., 1966: A contribution to the morphology of Surtsey. Surtsey Res. Progr. Report II.

Kjartansson, G. 1966: Stapakenningin og Surtsey (A comparison of table mountains in Iceland and the volcanic island of Surtsey). Náttúrufræð., Vol. 36, No. 1, p. 1-34.

Rist, Sigurjón, 1967 : Ecographic soundings around Surtsey.

Surtsey Res. Progr. Report III.

Thorarinsson, S., Einarsson, Th., Sigvaldason, G. and Elísson, G., 1964 :

The submarine eruption off the Vestmann Islands, 1963-64.

Bull. Volcanologique, (Naples), Vol. 27, 1964, p. 435-45.

Thorarinsson, S., 1965 : Surtsey: island born of fire.

National Geographic Magazine, Vol. 127, No. 5, 1965, p. 712-26.

Thorarinsson, S., 1965 : Sitt af hverju um Surtseyjargosið (Some facts about the Surtsey eruption).

Náttúrufræð., Vol. 35, No. 4, 1965, p. 153-81.

Thorarinsson, S.: Surtsey. The new island in the North Atlantic.

Reykjavík Almenna bókafélagid, 1964, and New York, Viking Press,

1967 (Also in German, Danish and Swedish).

Thorarinsson, S., 1964 : Surtsey. The new island in the North Atlantic.

Almenna bókafélagid, Reykjavík, 63 pp. and 46 plates.

Thorarinsson, S., 1965 : The Surtsey eruption : course of events and the development of the new island. Surtsey Res. Progr. Report I.

Thorarinsson, S., 1966 : The Surtsey eruption. Course of events and the development of Surtsey and other new islands.

Surtsey Res. Progr. Report II.

Thorarinsson, S., 1967 : The Surtsey eruption, course of events during the year 1966. Surtsey Res. Progr. Report III.

Thorarinsson, S., 1967 : The Surtsey eruption and related scientific work.

The Polar Record, Vol. 13, No. 86, 1967, p. 571-78.

Einarsson, Th., 1967 : Der Surtsey Ausbruch - Naturwissenschaftliche

Rundschau. Band 20, p. 239-247.

G E O P H Y S I C

Anderson, R., et.al.: Electricity in volcanic clouds.

Science, Vol. 148, No. 3674, 1965, p. 1179-89.

Arnason, B., 1966: Measurements of the D/H-ratio in hydrogen and water vapour collected on the volcanic island Surtsey during the year 1965 (continued). Surtsey Res. Progr. Report II.

Arnason, B., 1967: Measurements on the D/H-ratio in hydrogen and water vapour collected at Surtsey (continued III). Surtsey Res. Progr. Report III.

Arnason, B., 1965: Measurements on the D/H-ratio in H₂-gas and water vapour collected at the volcanic island Surtsey during the year 1964. Surtsey Res. Progr. Report I.

Björnsson, S., 1966: Radon in magmatic gas at Surtsey and its possible use for determining the content of water in the Magma. Surtsey Res. Progr. Report II.

Björnsson, S., 1965: Some geophysical observations at Surtsey in 1964 :
(1) atmospheric electric disturbances at the volcanic cloud ;
(2) charge separation at the lavasea contact ;
(3) radon content of magmatic gas.
Surtsey Res. Progr. Report I.

Friedman, D.J., Williams, R.S., Miller, C.D. and Pálmason, G., 1967:
Infrared Surveys in Iceland in 1966.
Surtsey Res. Progr. Report III.

Pálmason, G., 1965: Some geophysical studies in Surtsey 1964 :
(1) seismography ; (2) electrical conductivity ; (3) gravity measurements. Surtsey Res. Progr. Report I.

Sigurgeirsson, Th. and Stefánsson, R., 1967: Seismic measurements in Surtsey. Surtsey Res. Progr. Report III.

Sigurgeirsson, Th., 1967 : Continued geophysical measurements in Surtsey. Surtsey Res. Progr. Report III.

Sigurgeirsson, Th., 1965 : Some geophysical measurements and observations in Surtsey 1963-64 : (1) time-lapse photographs of the cloud; (2) geomagnetic field-measurements ; (3) temperature measurements. Surtsey Res. Progr. Report I.

Sigurgeirsson, Th.: Jardedlisfrædirannsóknir í sambandi við Surtseyjargosid (Geophysical research in connection with the volcanic eruption in Surtsey). Náttúrufræd., Vol. 35, No. 4, 1965, p.188-206.

Sigvaldason, G. and Elísson, G., 1966 : Report on collection and analysis of volcanic gases from Surtsey. Surtsey Res. Progr. Report II.

Sigvaldason, G. and Elísson, G., 1967 : Sampling and analysis of volcanic gases in Surtsey in 1966. Surtsey Res. Progr. Report III.

Sigvaldason, G. and Elísson, G., 1965 : Preliminary report on collection and analysis of volcanic gases from Surtsey. Surtsey Res. Progr. Report I.

Thorarinsson, S. and Vonnegut, B., 1964 : Whirlwinds produced by the eruption of Surtsey volcano. Bulletin of the American Meteorological Society, Vol. 45, No. 8, 1964, p. 440-44.

McClaine, L.A., Allen, R.V., McConnell, Jr., and Surprenant, N.F.: Volcanic smoke clouds. Arthur D. Little, Inc. Cambridge, Mass.

G E O C H E M I S T R Y

Sigurdsson, H., 1966 : Advance report on "acid" Xenoliths from Surtsey. Surtsey Res. Progr. Report II.

Steinþórsson, S., 1965 : Surtsey petrology and chemistry. Surtsey Res. Progr. Report I.

Steinthórsson, S., 1965 : Petrography and chemistry.
Surtsey Res. Progr. Report I.

O C E A N O G R A P H Y

Malmberg, S.A., 1965 : A report on the temperature effect of the
Surtsey eruption on the seawater. Surtsey Res. Progr. Report I.

Stefánsson, U., 1965 : Chemical-oceanographic effects of the Surtsey
eruption. Surtsey Res. Progr. Report I.

Stefánsson, U. : Influence of the Surtsey eruption on the nutrient content
of the surrounding seawater. Sears Foundation : Journal of Marine
Research, Vol. 24, No. 2, 1966, p. 141-268.

G E N E R A L

Einarsson, E. : The eruption in Surtsey in words and pictures.
Heimskringla, Reykjavík, 1966. (Also in Icelandic, German and
Danish).

Bauer, P., 1965 : Surtsey, Vol. 1, No. 3, February 1965.

Bauer, P., 1965 : Surtsey : First North Atlantic island born in 1100
years. Lodestar, Vol. 17, No. 4, 1965, p. 8-11.

Hermannsson, S., 1968 : Surtsey : Livet landet på en steril ö.
Jyllands-Posten, 5.3. 1968, p. 14.