#### **GENERAL EDITORS**

Birgit M. Rasmussen, Nordic Archaeological Abstracts, Moesgård, DK-8270 Højbjerg, Denmark. (BR)

Jenny-Rita Næss, Arkeologisk museum i Stavanger, Pb 478, N-4001 Stavanger, Norway. (JRN)

#### EDITORIAL BOARD

Birgit Andersen, RAS, Nationalmuseet, Frederiksholms Kanal 12, DK-1220 København K, Denmark (Med & Post-Med arch.). (BA)

Carolina Andersson, Riksantikvarieämbetet, UV, Box 17193, S-104 62 Stockholm, Sweden (Med & Post-Med arch.). (CA)

Símun V. Arge, Føroya Fornminnissavn, Box 1155, FR-100 Tórshavn, the Faroe Islands. (SA) Matthias Bāck, Riksantikvarieāmbetet, UV, Box 17193, S-104 62 Stockholm, Sweden (Med & Post-Med arch.). (MB)

Markus Dahlberg, Riksantikvarieämbetet, Sveriges Kyrkor, Box 5405, S-114 84 Stockholm, Sweden (Med & Post-Med arch.).(MD)

Jan E G Ericsson, Riksantikvaren, Distriktskontor Syd, Pb 570 Sentrum, N-3101 Tønsberg, Norway (Med & Post-Med arch.). (JEGE)

Kenneth Gustavsson, Museibyrån, Box 60, SF-22100 Mariehamn, Finland (Åland). (KG)

Fredrik Hallgren, Inst. för arkeologi, Uppsala Universitet, S:t Eriks torg 5, S-753 10 Uppsala, Sweden (Prehist. arch.). (FH)

Margrét Hermanns-Auðardóttir, Þoðminjasafn Íslands, Sudurgata 41, IS-101 Reykjavík, Iceland. (MH)

Jenny-Rita Næss, Arkeologisk museum i Stavanger, Pb 478, N-4001 Stavanger, Norway. (Pre-hist.-arch.). (JRN)

Ulla Odgaard, Inst. for forhistorisk arkæologi, Moesgård, DK-8270 Højbjerg, Denmark (Arctic arch.). (UO)

Marianne Schauman-Lönnqvist, Museiverket, Pb 913 FIN-00101 Helsingfors, Finland (Prehist., Med & Post-Med arch.). (MS-L)

Ragnhild Sjurseike, Arkeologisk museum i Stavanger, Pb 478, N-4001 Stavanger, Norway. (Prehist. arch.). (RS)

Jørn Street-Jensen, Statsbiblioteket, DK-8000 Århus, Denmark (Prehist. arch.). (JS-J)

Anneli Sundkvist, Inst. för arkeologi, Uppsala Universitet, S:t Eriks torg 5, S-753 10 Uppsala, Sweden (Prehist. arch.). (AS)

Helena Victor, Inst. för arkeologi, Uppsala Universitet, S:t Eriks torg 5, S-753 10 Uppsala, Sweden (Prehist. arch.). (HV)

Agneta Åkerlund, Inst. för arkeologi, Stockholms Universitet, S-106 91 Stockholm, Sweden (Prehist. arch.). (AÅ)

### **OTHER CONTRIBUTORS**

Mette Iversen, Viborgs Stiftsmuseum, DK-8800 Viborg, Denmark. (MI)

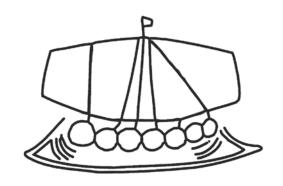
Berit Sellevold, Universitetets Oldsaksamling, Fredriksgt. 2, N-0164 Oslo, Norway. (Osteology). (BJS)

Christer Westerdahl, Inst. for arkæologi og etnologi, Københavns Universitet, Vandkunsten 5, DK-1467 København K. (Maritime archaeology). (CW)

#### LINGUISTIC ADVISOR

Peter Crabb, Thisted, Denmark.

# NORDIC ARCHAEOLOGICAL ABSTRACTS 1996



Nordic Archaeological Abstracts 1996 contains abstracts of papers published mainly in 1996

**HØJBJERG** 2000

Published with grants from the Nordic Publications Committee for
Humanist Periodicals
© 2000 Nordic Archaeological Abstracts
Typesetting by UNI•C
Printed by Special-Trykkeriet Viborg a-s
ISSN 0105-6492

# **CONTENTS**

Editorial	5
Preface	8
Nordic archaeological bibliographies	11
Related bibliographical publications	12
Abbreviations	14
Abstracts	
1 General	15
2 Palaeolithic-Mesolithic	39
3 Neolithic	53
4 Bronze Age	74
5 Celtic Iron Age	85
6 Roman Iron Age	88
7 Germanic Iron Age	96
8 Viking Age	107
9 Medieval Period	132
10 Post-Medieval – Recent	191
11 Multi-Periods/Undated	200
Periodicals & irregular serials	238
Collective works, Festschrifts, series, symposia, etc	244
Index of authors & scholars	245
Subject index	257
Site index	284
Maps	290
Chronological table	293
Abstracts section finder	294
Cross-reference guide	296

## **EDITORIAL**

Since the launch of the first on-line issue of NAA in October 1999, 250-300 persons per week have searched the database. The number of accesses is rather stable, in our opinion too small, but we hope there will be an increase now, when two volumes (1995 & 1996) can be searched at one time.

To suit the new content, NAA's Web pages – http://www.naa.dk – have been re-designed. The aim is to give some of the background information you find in the book. Information on organization, publication, database, etc., is included in links, such as

- About NAA with links to 'Preface' and 'Editorial'.
- Subscription with link to 'Order Form' by means of which you can send your order directly to NAA with a mouse click.
- NAA On line contains the NAA database where you can choose between 'Abstract Search' and 'Subject Search' – the latter giving you access to the hierarchical NAA thesaurus.
- Bibiographical information gives you the place of publication and publisher of 'Periodials & Irregular serials' and of 'Collective works, Festschrifts, series, symposia, etc.'
- Editorial board lists the names and addresses of the general and local editors.
- Deliver an abstract offers you the possibility of submitting an abstract
  of your just published article or book by filling in a form with the
  data of your publication and with a click of the Submit button sending it to NAA.
- The link Editors only is reserved for internal communication between the members of the editorial board.

We welcome any suggestions for improving NAA, and notice of any amendments from users of the NAA dataset. If you have questions, regarding abstracts, you should not hestitate to make contact, possibly by using the link 'E-mail' where you have a direct line to the general editor. The first Internet-NAA (NAA 1995) was accessed free of charge, but as reported in the last editorial, from NAA 1996 access is achieved only with a personal password included in the subscription. To obtain a password you merely have to pay the bill included in the printed version of NAA. When your payment has been registered, you will receive the password.

As stated in previous editorials, NAA does not give a complete list of printed works; our guiding line has rather been to list publications of relevance to Nordic archaeology. The criteria for selection of relevant papers have always been difficult, and a subject of discussion at the annual meeting of the editorial board.

"Reports" have for many years posed a problem. They have been hard to locate, subject to more or less haphazard editing, and definitely of varying quality. Their status as a scientific tool has varied, making it difficult for both the national and the general editors to decide how much of the reports should be abstracted.

Reports have been field and excavation documentation, to be followed by a more complete edition, based on a more profound analysis. Very often, however, the report remains the only source publication in which outstanding new findings are presented. This fact has caused changes in archaeological report writing and subsequently in the way they are reported in NAA. In Sweden excavations carried out by Riksantikvarieāmbetet (the Central Board of Antiquities) were published in various report series, e.g. Riksantikvarieāmbetet. Undersökningsverksamheten. Rapport UV, disseminated to libraries, relevant authorities and university institutes. In NAA, they are included as portmanteau abstracts in the multiperiod-section 11A. However, in the past few years the excavating institutions have also begun to publish reports in a digital form. Some reports may be issued in a printed form either suited to inform the general public or the commissioner, of the results of fieldwork.

In Denmark, excavation reports are in principal not printed. They are filed in the archives of the excavating institution and of Nationalmuseet, Copenhagen. The excavation data are also registered in the database of DKC - Det kulturhistoriske centralregister (the Cultural Historical Central Register) housed at Nationalmuseet and through a password searchable on the Internet. In addition, Det Arkæologiske Nævn (the Board of Archaeology) issues a printed annual compilation of excavations carried out in Denmark, Arkæologiske udgravninger i Danmark (Archaeological Excavations in Denmark) with period surveys and a catalogue with short descriptions of the investigations from the year in question.

Especially in Norway, reports have also come to include theses, Festschrifts, proceedings, etc., and ISBN or ISSN numbers are nowadays mostly present on the publications. So, if there still is a difference, it is often that these reports are less elaborate in layout.

As the traditional printed reports have gradually moved from the greyzone publication sphere to the open, with better editing and accessibility, their status has been raised, as shown in reference lists in other scientific papers. The distinction between reports and other publications on the the basis of content are no longer easily detected.

New publications take their grey-zone place, for example, preliminary reports, and the yearly reports from larger projects, etc. Thus the challenge for the board of editors remains the same: how to find the works, and how to select those of relevance to Nordic Archaeology.

Erratum: NAA 1995/653: The author of "Invisible handicrafts" in Lund Archaeological Review 1995, pp 7-20, is Eva Andersson (not Eva Svensson).

#### **PREFACE**

Nordic Archaeological Abstracts – NAA – provides the archaeologist with a survey of Nordic archaeological literature from the preceeding year and thus enables the specialist to discover what is happening in fields outside her or his own. The detailed indexes make NAA a useful tool for research. See also the Cumulative indexes for NAA 1974-1988.

Abstracts are concise summaries of published articles, with the bibliographical information giving access to the originals. They are intended to be fair summaries of the literature but should never be used as primary sources.

# The scope of NAA

The purpose of NAA is to indicate publications dealing with archaeological investigations, prehistoric, medieval, and post-medieval. In the prehistoric sections, papers dealing with all aspects of human culture within the Nordic area are included.

The limits of NAA are more restricted for periods with written sources. Thus the medieval section contains primarily papers on archaeological excavations or excavated material, but other material sources of human activity are also included in the concept "medieval archaeology". Existing medieval buildings and their decoration are examples of material also studied by medieval archaeologists. Thus papers dealing with medieval material in the fields of art history and iconography may be found in NAA. Abstracts on churches and iconography are, however, abbreviated. Papers on the postmedieval period are included in NAA only if they deal with archaeologically excavated material. For complete coverage of Great British and North German papers the reader is advised to consult the abstracts publications listed on p 11.

Studies within ethnology, geography, linguistics, the natural sciences, etc., are also abstracted, provided they shed light on problems or material groups commonly met with in the field, or are of special interest from a methodological or chronological point of view.

Corresponding book reviews and annual reports from institutions are included only when they bring information of special interest. For minor articles bringing little or no important new information, complete coverage is not attempted.

The geographical limits of NAA are the Nordic countries, including Greenland. Papers on culturally related areas are cited, if noticed, as long as they bear on material treated by Nordic archaeology.

#### How to use NAA

The basic division of the abstracts is chronological (see the *chronological table* on page 293), and within each period they are grouped according to subject. The classification codes – periods 1-11 and the subjects A-L – are explained in the *abstracts section finder*, also indicating the first abstract number in each section. The codes and the subject index help the reader to skim the booklet.

The classification code of the section is attached to each abstract and furthermore codes are given for subsidiary topics treated in the papers. References are given for articles dealing with more than one period in a cross reference guide. The indexes will help the reader to find papers by a certain author or on a certain region or important site – see Index of authors and scholars and Site index. Most important for finding relevant papers is, however, the Subject index.

After the code, the nationality of the topic is indicated.

Within the section the abstracts are arranged according to the initials of the author; for alphabetization see the introduction to the *index of authors* and scholars.

The abstract reference number comprises two elements: the annual number of NAA and a serial number, starting from 1 each year.

The original title is set in semi-bold type, followed by a translation in parenthesis. For the sake of consistency, all titles are written with small letters, regardless of the original orthography.

The full bibliographical information is given either in the abstract heading or in one of the two lists at the end of the volume. The first list comprises periodicals and irregular serials mentioned in this volume; the other list contains collective works, Festschrifts, etc., the titles of which are followed by an asterix\* in the abstract heading.

The abstracts are always signed: (Au) = author's abstract, (Au, abbr) author's abstract abbreviated, (Au/editor's initials) = author's abstract adapted by editor, (editor's initials) = editor's abstract; see back cover for full names.

#### How to write for NAA

The principal rule is that the author her or himself writes the abstracts to ensure accuracy and to reduce the editor's rather heavy – voluntary – work.

So if you are publishing a paper on a topic within the limits of NAA, we entreat you to write the abstract yourself (in English, regardless of linguistic ability) and send it to the editor for the country and period in question. Not only is translation very time-consuming, but the difficulties which inevitably attend it are aggravated by abstraction and the frequent lack of supporting explanatory material. Many Nordic words, es-

pecially archaeological terms, have no exact English equivalent and you are liable to be misinterpreted unless you make your own translation decisions. Proper names are, however, retained in the original form (e.g. Svend Tveskæg and Helgeandshuset – if it is important for clarification a translation may be added (House of the Holy Spirit)). For bilingual names in Finland the Finnish and the Swedish version shall always be given. For the sake of completeness and homogeneity some abstracts have to be written or re-written by one of the editors. All abstracts are finally checked by the linguistic adviser.

The length of abstracts is restricted to 850 ems and this maximum should of course be utilized only for comprehensive and/or important works. Papers and books of special international interest may, however, be given abstracts exceeding the limits of ordinary abstracts.

For directions see abstract sheet at the end of the book.

# Correspondence

Any suggestions for improving NAA will be welcome.

NAA regrets that it cannot undertake to provide off-prints or photocopies of articles abstracted. The general editors are, however, always ready to forward a personal communication to an author, and he can supply the addresses of Nordic publications if required.

## Acknowledgements

Thanks are due to the local editors and the authors who contribute to make the NAA the handy tool it is.

Thanks are due to Rigsantikvarens arkæologiske sekretariat, Copenhagen; Riksantikvaren, Oslo; KVHAA, Stockholm; Riksantikvarieämbetet, Stockholm; Svenska arkeologiska samfundet, Stockholm; and DABL (Danish Loan Centre), State & University Library, Århus.

Last but not least we wish to express our gratitude to

Statens humanistiske forskningsråd, Denmark

Statens humanistiska kommission, Finlands Akademi, Finland

Norsk Forskningsråd, Norway

Humanistisk-samhällsvetenskapliga forskningsrådet, Sweden

who have supported this volume.

The Editors

#### OTHER ABSTRACTS PUBLICATIONS

- Art and Archaeology Technical Abstracts. 34/2, 1997. New York (USA): The University, Institute of Fine Arts.
- **Bibliographie zur Archäologie der norddeutschen Küstenländer.** [1984]. Ed by Karl-Heinz Willroth. Neumünster: 1986.
- British & Irish Archaeological Bibliography. 3/1, 1999. London (GB): British Archaeological Bibliography.
- International Medieval Bibliography. 31/2, 1997 (1998). Leeds (GB): the University of Leeds (School of History).
- Numismatic Literature. No. 142, 1999. New York (USA): American Numismatic Society.
- **Polish Archaeological Abstracts.** 21, 1996. Wrocław/Warsaw (Poland): Ossolineum.

## NORDIC ARCHAEOLOGICAL BIBLIOGRAPHIES

- **Bibliografi over Nord-Norges arkeologi.** By Povl Simonsen. Oslo/Bergen/Stavanger/Tromsø: Universitetsforlaget: 1983. 178 pp, 1 fig. Norw. 6 different index.
- Bibliografi over Nord-Norges arkeologi. Tillegg for tiden 1/12-1981 til 1/8-1988. By Povl Simonsen. [Available from Tromsø Museum, Univeritetet i Tromsø, Tromsø]: 1989 [stencils]. 102 pp.
- Litteratur om Danmarks forhistorie. 1969-1973. By C J Becker. Fortid og nutid 28/3, 1980, pp 473-481.
- Suomen arkeologinen bibliografia. 1971-1980. Finnish Archaeological Bibliography. By Ella Kivikoski. Suomen Museo 1983 (1984).
- Norsk arkeologisk bibliografi. 1975-1978. By Liv Bakka. Universitetets Old-saksamling. Årbok 1977-1978 (1979).
- Swedish Archaeological Bibliography. 1971-1975. Ed by Sverker Jansson & Hilding Thylander. Stockholm (Sw): Svenska arkeologiska samfundet: 1978. See also NAA 1978/9.
- Swedish Archaeology. 1976-1980. Ed by Åke Hyenstrand; Pontus Hellström & Sibylla Haasum. Stockholm: Svenska arkeologiska samfundet: 1983. See also NAA 1983/4.
- **Swedish Archaeology. 1981-1985.** Ed by Anders Carlsson *et al.* Stockholm: Svenska arkeologiska samfundet: 1987.
- (Swedish Archaeology. 1986-1990). Ed by Mats Burström; Anders Carlsson et al. Current Swedish Archaeology. 3, 1995. Stockholm: Svenska arkeologiska samfundet: 1995.

- Nordic Archaeological Abstracts. Author & site indexes for volumes 74-88. By Mette Iversen. 143 pp. Viborg 1994.
- Nordic Archaeological Abstracts. Subject index for volumes 74-88. By Mette Iversen. 244 pp. Viborg 1997.

A complete list of all Nordic archaeological bibliographies up to 1976 has been compiled by Jan Peder Lamm: **Bibliografisk hjälpreda vid sökandet efter nordisk arkeologisk litteratur.** Fornvännen 71, 1976/3-4 (1977), pp 205-206.

## RELATED BIBLIOGRAPHICAL PUBLICATIONS

- Ausgewählte Bibliographie zur Vorgeschichte von Mitteleuropa. Ed by Rolf Hachmann. Berlin: Franz Steiner Verlag/Römisch-Germanische Kommission des Deutschen archäologischen Instituts: 1984. Publications until 1975 are covered.
- Bibliographia studiorum uralicorum 1917-1987. Uralistiikan tutkimuksen bibliografia I. Bibliography on Uralic studies I. Archaeology. By Marianne Schauman-Lönnqvist; Maire Aho; Aki Arponen & Arne Hedman. Helsinki (Fin): Helsingin yliopiston kirjasto & Suomalaisen kirjallisuuden seura: 1988 (1989) (= Suomalaisen kirjallisuuden seuran toimituksia 494. 149 pp. Finn & Engl.
- Bibliographia studiorum uralicorum 1917-1987. Bibliografija po uralistika I. Arkeologija. Bibliography on Uralic studies I. Archaeology. By V N Babenko; L N Verçenov; V V Sedov; J Selirand & I M Tjurina. Moscow (SSSR): Akademija Nauk SSSR: 1988 (1989). 397 pp. Russ & Engl.
- Bibliographie zur Vor- und Frühgeschichte in der Bundesrepublik Deutschland und Berlin (West) in den Grenzen vor 1990. Das Schrifttum der Jahre 1986 und 1987. Ed by Frauke Stein et al. Stuttgart (BRD): Franz Steiner Verlag: 1998.
- Baltische Bibliographie 1992. Mit Nachträgen. Schrifttum über Estland und Lettland in Auswahl. Compiled by Paul Kaegbein. Zeitschrift für Ostforschung 42/4, 1993. Marburg (BRD): J G Herder Institut: 1993.
- **Bibliografi 1980 over dansk kunst.** Copenhagen (Den): Kunstakademiets bibliotek: 1983.
- Litauische Bibliographie 1985-87 in Auswahl mit Nachträgen. Adapted by Povilas Reklaitis. Zeitschrift für Ostforschung 38/2, 1989. Marburg (BRD): J G Herder Institut: 1989.
- Nordisk bibliografi for folkelivsforskere 1992. Ed by Hjejl Resen Steenstrup. NEFA dokumentation, NS 16. Viborg (Den): NEFA Nordens dokumentationsudvalg/Museumstjenesten: 1997.

- Nytt om runer: Meldingsblad om runeforskning 14, 1999. Runebibliografi 1997. Ed by James E Knirk. Oslo (Norw): Runearkivet:1998.
- Schleswig-holsteinische Bibliographie 16, 1995-1996 (1998). Neumünster (BRD): Schleswig-holsteinische Landesbibliothek/Karl Wachholtz: 1998.
- Sachkatalog der Bibliothek der römisch-germanischen Kommission (Frankfurt M) Zugänge 1993 (= Beiheft zu Germania 72). Mainz: Ph.v. Zabern Verlag: 1994. 1992 ff also available on CD-ROM: DYABOLA, produced by Deutsches Archäologisches Institut, incorporating the Institute's libraries in Rome (1956 ff) and Madrid (1990-)
- Sovetskaja arheologičeskaja literatura. Bibliografija 1982-1984. Ed by R Š Levina & L M Vseviov. Sankt-Peterburg (SSSR): Biblioteka Rossijskoj akademia nauk: 1997.
- Svensk historisk bibliografi 1971-1975. Svenska historiska föreningen. Skrifter 9. Stockholm (Sw): Almqvist & Wiksell: 1988. 1994 ff on-line via LIB-RIS (free of charge).
- Svensk konstvetenskaplig bibliografi 1979-80. Monografier. By Charlotte Hanner & Elisabeth Björk. Konsthistorisk tidskrift 51, 1982/4. Stockholm (Sw): Universitetet, Inst. för konstvetenskap: 1984. 1994 ff on-line via LIBRIS (free of charge).
- Svensk konstvetenskaplig bibliografi 1985. Ed by Kent Åberg; Charlotte Hanner & Johannes Wagner. Konsthistorisk tidskrift 53, 1984/4. Stockholm (Sw): Universitetet, Inst för konstvetenskap: 1989. 1994 ff online via LIBRIS (free of charge).

# NORDIC BIOGRAPHICAL PUBLICATIONS

- **Dansk biografisk leksikon.** 3. ed. Ed by S Cedergreen Bech. Copenhagen (Den): Gyldendal. 1, 1979 16, 1984 (complete).
- Norsk biografisk leksikon. Ed by Edv. Bull; Anders Krogvig & Gerhard Gran. Oslo (Norw): Norsk Aschehoug. Fasc 1, 1929 (Aa-) fasc 95, 1983 (-øyen) (complete).
- Svenskt biografiskt lexikon. Stockholm (Sw): 1, 1918 (Abelin-) 30, 1999 (-Richolff-Rasenberg).

# **ABBREVIATIONS**

abbr	abbreviated	m	a.s.l. m above sea level
ADP	automatic data	Med	Medieval Period
	processing	Mes	Mesolithic
Au	Author	MN	Middle Neolithic
BA	Bronze Age	N	North
Belg	Belgian/Belgium	Neo	Neolithic
C	century	Nord	Nordic
c.	circa	Norw	Norwegian/Norway
cal.	calibrated	Pal	Palaeolithic
CeltIA	Celtic Iron Age	PM	Post-Medieval Period
conv.	conventional	Pol	Polish/Poland
Dan/Den	Danish/Denmark	PWC	Pitted Ware Culture
<b>DKNVS</b>	Det kgl. norske viden-	Raä	Riksantikvarieämbetet
	skabers selskab		(the Central Board of
E	East		National Antiquities)
EN	Early Neolithic	RomIA	Roman Iron Age
Engl	English	Russ	Russian/Russia
Est	Estonian/Estonia	S	South
Far	Faroese/the Faroe	SA	Stone Age
	Islands	Scand	Scandinavian/Scandi-
Finn/Fin	Finnish/Finland		navia
Fr	French/France	SHMm	Statens historiska
GB	British/Great Britain		museer
Ger	German/Germany	Sov	Soviet
GerIA	Germanic Iron Age	Summ	Summary
Greenl	Greenland	Sw	Swedish/Sweden
IA	Iron Age	TRB	Funnel Beaker culture
Icel	Icelandic/Iceland	Vik	Viking Age
Kar	Karelian/Karelia	W	West
<b>KVHAA</b>	Kungl. vitterhetshisto-	Ål	Ålandish/Åland Islands
	ria	*	For bibliographical in-
	och antikvitets		formation see p 244.
	akademien	[]	Editor's addition to
Lat	Latvian/Latvia		the abstract heading.
Lith	Lithuanian/Lithua-		
	nia		
LN	Late Neolithic		