Bibliography of Rules of Chemical Nomenclature in Various Languages. I. Inorganic Chemistry

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Received December 3, 1969

A selected and partially annotated bibliography of 67 items on rules of inorganic nomenclature in 21 languages is presented as an aid to translators, chemists, and linguists.

The correct and consistent use of standardized chemical nomenclature is necessary to reduce the noise introduced in the transmission of scientific or technical information. As an important link in the communications network, translators are particularly concerned with problems of nomenclature. Crane,[1] in 1931, wrote "There is no one place to which interested chemists can turn for full information on chemical nomenclature." There has been some improvement in the situation since then for the chemist—little, if any, for the translator.

As a first step toward alleviating this condition, this annotated bibliography offers translators, chemists, and linguists a list of sources that can be consulted for reasonably authoritative statements of the rules of inorganic chemical nomenclature in different languages. A continuation covering organic nomenclature is in preparation.

The bibliography has had to be selective, and the following guides have been used in deciding which of several similar items were to be listed

Rules derived from the I.U.P.A.C. Rules and approved by a national chemical society are preferred.

Discussions about nomenclature are omitted.

Journal articles are preferred to books.

Papers dealing with terminology other than the nomenclature of compounds are omitted.

Monolingual presentations of the rules in a given language are preferred.

Papers which I have been able to examine for myself are preferred.

Rigid adherence to all these criteria has not been compatible with broad coverage, and it was thought preferable to depart from these criteria if adhering to them meant there would be no entry for a language. Ideally, there would be only one entry for any language—a reference to the latest authoritative statement of the rules of nomenclature. When such a statement has not been found, or could not be examined, multiple references (if they exist) are given to increase the probability of an adequate treatment.

The primary source of items for this bibliography has been the nomenclature entries in the Subject Index of *Chemical Abstracts* from Volume 40 (1946) through 71, No. 17 (1969). Files of *Babel* and *Lebende Sprachen* have also been examined. Finally, entries under Chemistry, Inorganic and Chemistry, Nomenclature in *Library of Congress Catalog, Books: Subjects:* for 1950 through June 1969 were examined.

In all cases where I have not been able to examine an item, the source of my information about it is given in brackets. The abbreviations *CA* for *Chemical Abstracts* and *L.C.* for *Library of Congress Catalog, Books: Subjects* are used. Titles of books and papers are given as they appear on the original or as they appear in the source.

When the language in which an item is written is other than that under which the item is arranged, the language is given in parentheses after the citation.

The first seven entries are the I.U.P.A.C. 1957 Rules, comments, and proposals. Subsequent items are arranged by language, the ordering within a given language being from the more authoritative to the less, and from the more inclusive to the less.

Chemical Abstracts covers journals written in about 52 different languages; this bibliography covers only 21, and many of these are not represented by official rules. I would appreciate receiving any additions or changes that readers may be able to send me.

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Ukrainian

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ACKNOWLEDGMENT

I wish to acknowledge the hospitality of the Department of Chemistry and Chemical Engineering and its departmental library (and Xerox machine) during the 1963–64 academic year when I first began collecting material on nomenclature. I also wish to thank Robert Schipf, Ann Howard, L. Dennis, and George Black of the Science Division of Morris Library of Southern Illinois University, Carbondale. Some valuable references were supplied by the referee.

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Sixth ACS Middle Atlantic Regional Meeting, Chemical Documentation Program, Civic Center, Baltimore, Md., February 3–5, 1971

THURSDAY, FEBRUARY 4

H. Skolnik, Presiding

9:15– Opening Remarks
9:30– 1. J. S. ROBERTS, JR., A. R. Eglington. A Survey and Comparison of Retrieval Systems—Public and Proprietary.
10:00– 2. H. M. ALLCOCK, J. M. Hammond. Operating a Chemical Patent Search Bureau—Statistical Analysis of Computerized Patent Searching *vs.* Manual Screening Techniques.
10:30– 3. CAROL FENICHEL, Mel Weinstock. Characteristics of Word Profile Questions in the ASCA Selective Dissemination of Information System.
11:00– 4. J. B. HERMAN, Jane Olmer. Development of a Computer-Assisted Bibliographic System at an Information Analysis Center.
11:30– 5. JOHN SHERROD. Cooperation Between Research Libraries and Secondary Information Services.

P. N. Craig, Presiding

2:00– 6. W. L. JENKINS, Herman Skolnik. Text Processing with the IBM Administrative Terminal System.
2:30– 7. N. W. CALDWELL, D. W. King, P. W. Neel. Cost Effectiveness of On-Line Retrieval Systems.
3:00– 8. IRVING GORDON, G. A. Penna. Initiation of a Computerized Information Retrieval System—A Comparison of Various Routes.
3:30– 9. G. A. PENNA, Irving Gordon. Computerized On-Line Information Retrieval Algorithms in FORTRAN or SNOBOL.
4:00–10. E. S. DOMALSKI. Evaluating Experimental Data on Heats of Combustion.

FRIDAY, FEBRUARY 5

W. H. Longenecker, Presiding

9:15– Opening Remarks
9:30–11. R. L. RUBENSTEIN, Q. Qazi. (Some) Alternatives to Searching Semantic Surrogates of Chemical Structures.
10:00–12. S. T. MORNEWECK, B. G. Hawthorne. Application of the MCC Topological Screen System to a Small File of Pesticides.
10:30–13. J. D. STEIN, JR., F. M. Delaney, S. D. Peluso, L. N. Starker. A Computer-Based Comprehensive Bio-Data Information Retrieval System.
11:00–14. J. A. KISH, L. N. Starker, B. M. Schwartz. A New KWIC Index—An Aid to Generic Search of Steroid Names.
11:30–15. HERMAN SKOLNIK. A Chemical Fragment Notation Index.

M. L. Huber, Presiding

2:00–16. J. E. RUSH, P. M. Elliott. Translation of Chemical Nomenclature of Syntax-Controlled Techniques.
2:30–17. J. D. CROWLEY. Chemical Applications of a General Purpose Storage and Retrieval System.
3:00–18. W. J. WISWESSER, K. J. Windlinx, R. A. Creager, J. A. Tanne. A Multicomponent Chemical-Biological Data Base.
3:30–19. BARRY ZIMMERMAN, David Lefkovitz. Computer-Gererated Structural Formulas with Standard Ring Orientations.
4:00–20. KIRK RANKIN, S. J. Tauber. Linguistics as a Basis for Analyzing Chemical Structure Diagrams.