

Foreword

We well recall that at the termination of the Second Symposium on Salt in 1965, the feeling among many of the speakers was that two salt symposia in a three-year span would suffice for awhile; thus, the Third Symposium on Salt was not scheduled until May of 1969. But, in 1967, Louisiana State University successfully played host to a small symposium on evaporites; this was followed by the American Association of Petroleum Geologists' Research Symposium on evaporites in 1968, and in turn by UNESCO sponsored symposium in Hannover, Germany, of the same year. By then, the Third Symposium at Cleveland had already been planned. Our feelings were well expressed on the sweatshirts of University seniors—"World, are you ready?"

And the world was ready! The first call for papers resulted in contributions from specialists with a wide range of interests in evaporites, and along with the papers came suggestions for other speakers. Many of the geologists at the Hannover symposium showed an interest in the Third Symposium and volunteered or were solicited for the presentation of material little known to the American scientific community. We offered speakers the time they needed to present their ideas; we solicited the help of the well-known established evaporite specialists, but were equally enthused with the prospect of new ideas and interpretations by those just beginning a career in evaporite studies, and who, in some cases, were willing and able to take exception to the accepted ideas and interpretations. We sought speakers from allied disciplines whose work would enable the evaporite specialist to broaden his base; an Austrian palynologist demonstrated the most effective way to date evaporites—a Swedish metamorphic petrologist explained deformation—a Dutch oceanographer helped us to look at the depositional process in a new light.

Not only did we expand the range of subjects, but the list of speakers (as well as attendees) justifies the informal insertion of "international" into the title, Third Symposium on Salt. Austria, Germany, The Netherlands, Poland, Sweden, and the United Kingdom, in addition to Canada and the United States, were represented on the geologists' speaker's platform. The other symposium sections were just as international in scope.

As we read these papers prior to publication, we were enthused by new and challenging ideas and the wealth of seed material for future projects. Others reacted even more quickly to papers and informal discussion, for letters and cards have spoken of the stimulating atmosphere and of exciting conversations and exchange of ideas. Hopefully the spirit of the Symposium permeates these volumes so that the Fourth Symposium on Salt, already planned for 1971 will be equally successful.

These volumes contain a total of 97 papers as well as the abstracts of three papers for which manuscripts were not available.

The dedicated efforts of many people made the symposium the success it was and it could not have been accomplished without the sponsorship and cooperation of the three sponsoring groups: Northern Ohio Geological Society, Solution Mining Research Institute and The Salt Institute. Each organization contributed funds and professionals to support the preparation and operation of the symposium in Cleveland on April 22-24, 1969. Geology students of Kent State University, Case Western Reserve University and the

University of Kansas provided help before, during and after the symposium, in many ways and their contributions are gratefully acknowledged here.

The symposium committees were especially effective and the sponsors of the symposium are pleased to acknowledge and to thank them here for their assistance. The committees were as follows: General Chairman and Program Chairman—Donald Richner, Terraneers, Limited; Assistant General Chairman—John E. Curry, Hooker Chemical Corporation; Assistant Program Chairman—Frank O. Wood, Salt Institute; Symposium Chairman and Treasurer—John F. Hall, Case Western Reserve University; Publication Chairman—Jon L. Rau, formerly of Kent State University; Secretary and Counsel—Frank Madden, Solution Mining Research Institute.

The development of these volumes for publication was a cooperative effort of the editors and the production staff of Wm. C. Brown Publishing Company. The expense of soliciting manuscripts, typing and postage was borne by the three sponsors of the symposium and especially by the Geology Departments of Kent State University, The University of Kansas and Case Western Reserve University.

The Northern Ohio Geological Society has now sponsored three symposia on salt and the society's long standing treasurer Dr. John F. Hall of Case Western Reserve University has handled the enormous amount of paper work necessary for invoicing and distributing 3000 books. Our society publicly expresses its thanks to him for his fine efforts over the last 5 years. The two volumes of the Third Symposium on Salt may be ordered by writing to him at the Department of Geology, Case Western Reserve University, Cleveland, Ohio 44106.

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