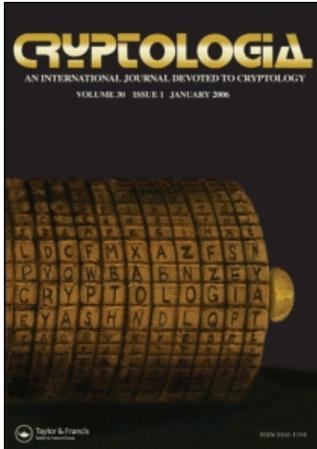


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### WHY CRYPTOLOGIA?

Brian J. Winkel

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### WHY CRYPTOLOGIA?

Brian J. Winkel, Editor

In an effort to provide communications among teachers of cryptology and to encourage our colleagues to consider cryptology, either wholly or in part for their own teaching, Cipher Deavours (and it really is Cipher) suggested that we might start a newsletter devoted to cryptology, and more specifically to the mathematical aspects of the science. So it was that CRYPTOLOGIA was conceived. This all came from a common past that included the National Security Agency experience, David Kahn's The Codebreakers [2], D. C. B. Marsh's article, "Cryptology as a Senior Seminar Topic" [3], and then courses of our own in cryptology at the college level.

After initial contact with some of our crypto friends it became apparent that there was a need for a journal devoted to cryptology, not just mathematical cryptology, but all aspects of cryptology. Thus we asked David Kahn, whose interests and expertise in cryptology are well documented [2], to join with us.

We are grateful to all those early friends, especially Greg Mellen, Jack Levine and other members of The American Cryptogram Association [1], who have encouraged and supported us from the beginning. And we look forward to a continuing association with Barbara Harris in her column on non-mathematical cryptology and Lou Kruh in his column on machines and devices.

We hope to add more regular features, perhaps a column on historical materials or computer encryption or ancient languages or personal accounts, etc. We want to hear from you, the reader and potential writer. Please send us your suggestions, questions, and manuscripts.

We need readers (referees) in all areas and if any of you would like to offer your talents we should be most happy to use and acknowledge your efforts. Drop us a note indicating your interests and qualifications.

We also very much need papers in the non-mathematical and non-computational area of cryptology. Certainly both research and survey papers are welcomed as are reviews, short notes, and items of interest. The latter could be as far reaching as personal accounts, notices of sources, inquiries and queries, pedagogical concerns, criticisms, archival materials, technical notes, messages for solution which are of broader interest than just solving, etc. We hope to be regular (quarterly) but as we are new at this game we can only promise to try to produce a good product and that priority comes before regularity.

In such a venture there can be many goals. As a college teacher of mathematics one may desire to share the very beautiful cryptographic and cryptanalytic mathematics in cryptology with fellow teachers. Others wish to use CRYPTOLOGIA to publish new results while still others may want to announce new historical and linguistic finds. Some have expressed a desire to use CRYPTOLOGIA as a sounding board for what is obviously a need in the computer world, i.e., education of all users in data security, in particular, data encryption. Still others wish to share information on memorabilia, crypto devices, military materials, etc.

While we realize that we can not be all things to all people we do throw all these possibilities out to you to indicate that we are truly interested in all aspects of cryptology. The frequent use of etc. is a sure sign of our open-minded position. Perhaps the most important areas in which we are interested are the areas we know little or nothing about, and you do! Let us hear from you, we need to know what you have to say.

One final word and that is a big thank you to Wayne Barker of Aegean Park Press, Laguna Hills, CA. for taking us on and printing CRYPTOLOGIA. You might imagine the response from some commercial printers when asked to publish a journal on cryptology. We are very grateful to Aegean Park Press and we recommend their other efforts in the field of cryptology to you.

Good reading and thank you.

#### References

1. American Cryptogram Association, 9504 Forest Road, Bethesda, MD 20014.
2. Kahn, David, The Codebreakers, The Macmillan Co., New York, 1967.
3. Marsh, D. C. B., "Cryptology as a Senior Seminar Topic", The American Mathematical Monthly, 77 (1970) 761-764.