2[F, G].-Daniel B. Lloyd, "The use of finite polynomial rings in the factorization of the general polynomial," J. Res. Nat. Bur. Standards Sect. B, v. 69, 1965, pp. 189-212.

In the Foreword to this paper the author describes the evolution of his manuscript factor tables, which extend through degree 11 for moduli 2 and 3, through degree 8 for modulus 5 , and through degree 6 for modulus 7 . His first set of tables, extending through degree 6 for these four moduli, were calculated at the University of Oklahoma; the present tables, designed with a more concise format, were computed on an IBM 7090 system at the University of Maryland.

Because of the size of these tables, only excerpts for moduli 2,3 , and 5 are included in this paper, and the modulus 7 table is entirely omitted. Condensation of the tabular entries was achieved by using the octal form of the detached coefficients in the modulus 2 table, and by writing successive pairs of detached coefficients in the nonary system for the modulus 3 table. On the other hand, a condensed notation is not used in the excerpt given of the modulus 5 table.

A further abridgment of the tables was accomplished by listing only monic polynomials and by omitting reciprocal polynomials (that is, those formed by writing tabulated coefficients in reverse order), since the factors of such polynomials are the reciprocals of the factors of the original polynomials.

The author describes his procedure for finding the factors of a general polynomial over the ring of the rational integers through a study of a limited set of congruent polynomials over finite rings such as those modulo 2 , 3 , or 5 . He restates, with proofs, three theorems [1] that underlie this procedure. Use of the tables is illustrated by the factorization of three reducible polynomials of degree 5,8 , and 10 , respectively.

It is interesting to note, as the author does, that previously published tables have been restricted to the listing of irreducible polynomials for small prime moduli.

These tables should be useful in studies of the structure of Galois fields and to the application of congruential polynomials to error-correcting codes such as those discussed by Peterson [2].

Pertinent references, in addition to the list of 20 appended to this paper, include papers by Swift [3], Watson [4], and Tausworthe [5].
J. W. W.

1. D. B. Lloyd, "Factorization of the general polynomial by means of its homomorphic congruential functions," Amer. Math. Monthly, v. 71, 1964, pp. 863-870.
2. W. W. Peterson, Error-Correction Codes, Wiley, New York, 1961.
3. J. D. Swift, "Construction of Galois fields of characteristic two and irreducible polynomials," Math. Comp., v. 14, 1960, pp. 99-103.
4. E. J. Watson, "Primitive polynomials (mod 2)," Math. Comp., v. 16, 1962, pp. 368-371;
5. R. C. Tausworthe, "Random numbers generated by linear recurrence modulo two," Math. Comp., v. 19, 1965, pp. 201-209.

3[I].-Alex M. Andrew, Table of the Stirling Numbers of the Second Kind, with an Introduction by H. Von Foerster, Tech. Rep. No. 6, Electrical Engineering Research Laboratory, Engineering Experiment Station, University of Illinois, Urbana, Illinois, December 1965, $22+154$ pp., 28 cm . Price $\$ 2.00$.
This report contains the most extensive tabulation to date of the Stirling num-

