mathematics (Kreisel); 4. Geometries in which straight lines give the shortest distance (Busemann); 6. Axioms for mathematical physics (Wightman); 7. Transcendence of a^b for a and b algebraic (Tijdeman); 9. General reciprocity (Tate); 12. Generalize Kronecker's Jugendtraum (Langlands); 13. Is every function of 3 variables expressible in terms of functions of 2 variables? (Lorentz); 14. Finite generation of subrings (Mumford); 15. Rigorous foundation of Schubert's enumerative calculus (Kleiman); 18. Crystalographic groups (Milnor); 22. Uniformizations (Bers).

With two further notes I conclude my task. The book reproduces the translation of Hilbert's address by Mary Winston Newson (1902, Bull. Amer. Math. Soc.). The German original is perhaps most readily available in the third volume of Hilbert's collected works [5]. In French there is in [4] a reprinting of the summary which appeared in the 1900 Congress Proceedings. To Paul Halmos we are indebted for 22 photographs (Conway is included and Matijasevic and Stampacchia are missing). I have cited so many integers in this review that I can't resist one more: there are 10 beards.

ERRATA. In the article entitled *Hilbert's tenth problem. Diophantine equations: Positive aspects of a negative solution,* by Martin Davis, Yuri Matijasevič and Julia Robinson, pages numbered 357–358 should precede pages numbered 355–356.

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3. J. Fang, *Hilbert. Towards a philosophy of modern mathematics*. II, Paideia Press, New York, 1970, Chaps. VI, VII. MR **42** #2919.
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Decomposition of multivariate probabilities, by Roger Cuppens, Probability and Mathematical Statistics, Series, Vol. 29, Academic Press, New York, San Francisco, London, 1975, xv + 244 pp., $26.50.

In 1929, B. de Finetti introduced the class of infinitely divisible probability