Prof. ALDO PERETTI

was born on 23 Feb. 1932 at Buenos Aires, the capital of Argentina. He completed the baccalaureat in the "Colegio Nacional Mariano Moreno" and he took his degree at the University of Buenos Aires in 1957. He has been teaching Mathematics since 1956 in different faculties up to now, also being at the same time engaged for a long time with metallurgy.

His interests in Number Theory began when he was still a student. Reading a classic such as Serret's "Algebra", he found in its appendix an exposition of Chebyshev's paper about the density of the primes. From there he began to read books and papers about the subject. As a Chair in Number Theory had never existed in Argentina he was, by necessity, self-taught.

His interests are centred mainly about Mathematics, Music and the Bible. He loves Schubert, Mozart, Beethowen, Johann Strauss and Emile Waldteufel, and has composed some music of his own.

He shares with us the observation thta in producing mathematics, he finds himself with two problems: an excessive quantity of ideas, sufficient to keep busy a whole team, and the very slow elaboration of them.

According to him, the important achievements he has so far reached are, for instance, some formulas deduced for the quantity of solutions of the Fermat equation, several generalizations of it and many other diophantine equations. He has also obtained a closed formula for the number of solutions of the general partition

$$t = x_1 + x_2 + ...x_n,$$

which embodies the circle method, but also gives alternative ways. With it he has proved the Hardy-Littlewood asymptotic formula for the quantity of Goldbach decompositions of an even natural number, and seven other conjectures of their paper on "Partitio Numerorum III".

Furthermore, he has also obtained a large number of new formulas for the zeta-function.

At present he has sent to a team of Number Theorists different proposals for proving the Riemann hypothesis and for the quantity of Mersenne primes less than x. He has also prepared a short paper to prove the irrationality of Euler's constant.

Professor Peretti has been married for 38 years; he and his wife have two daughters.

Finally, we hope that soon we shall be able to hold his book, "Diophantine Equations", in our hands.

Anthony Shannon
Krassimir Atanassov