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THE SIXTIETH BIRTHDAY OF PROFESSOR BEDŘICH PONDĚLÍČEK

MARIE DEMLOVÁ

October 24 is the birthday of one of the well known personalities in the Czechoslovak algebraic community, Professor Bedřich Pondělíček. He was born in Trutnov in Northern Bohemia. After having finished his secondary studies in Hořovice in 1950, B. Pondělíček was admitted to the Faculty of Mathematics and Physics of Charles University where he studied mathematics and descriptive geometry. After graduating in 1954 he taught at the Grammar School in Poděbrady. In 1959 he joined the Faculty of Electrical Engineering of the Czech Technical University on Poděbrady as an Assistant Professor. He was appointed Associated Professor in 1966 and Full Professor in 1981.

B. Pondělíček recieved the degrees of CSc. (Candidate of Sciences) in 1968, RNDr. in 1968, and DrSc. (Doctor of Sciences) in 1981. During the period of 1978–1990 he was Head of the Department of Mathematics of the Faculty of Electrical Engineering. He is a member of the Scientific Council of the faculty and a member of the Council
for Algebra of the Faculty of Mathematics and Physics of Charles University. In 1982 he was awarded the Silver Felber’s Medal for his outstanding work at the Czech Technical University.

The scientific interests of B. Pondělíček range from problems concerning integro-differential equations to modern algebra, especially the theory of semigroups. Recently, he has devoted a series of papers to tolerance relations on semigroups. He has published more than 50 mathematical papers and has presented his results at a number of international conferences. He is editor of the Czechoslovak Mathematical Journal and of the Italian-Hungarian mathematical journal PUMA (Pure Mathematics and Applications).

Let us point out some of the main results of B. Pondělíček. In [4] he proved the commutative property of Archimedean ordered semigroups having some additional properties. Papers [9], [30], [31] and [32] deal with a graph associated with a semigroup $S$ the vertices of which are subsemigroups of $S$ and there is an edge between two subsemigroups if they are incident. Prof. Pondělíček proved e.g. that except a few cases such a graph has a diameter at most 3. Papers [11] and [14] give a representation of a linear continuous and time-independent system in the distribution theory. In the 1970’s he studied and described closure operations on semigroups including the ordered ones. His results served as a motivation for other semigroup theorists. Recently he has succeeded in fully describing all varieties of semigroups whose lattice of tolerances is modular, or distributive, or boolean.

He is an excellent teacher, his lectures always are of great value to students. He has written lecture notes Linear Algebra and a textbook Algebraic Systems. He has participated in the education of many post-graduate students of a Faculty of Electrical Engineering.

On behalf of his friends, colleagues and students we extend to Bedřich Pondělíček our wishes of firm health, good humour and unceasing energy.

**List of publications**

[1] Note to the problem of intersecting broken lines (Czech), Čas. pěst. mat. 83 (1958), 236–240.


[48] Note on the congruence lattice of a commutative separative semigroup, Cas. pěst. mat. 113 (1988), 74–79.