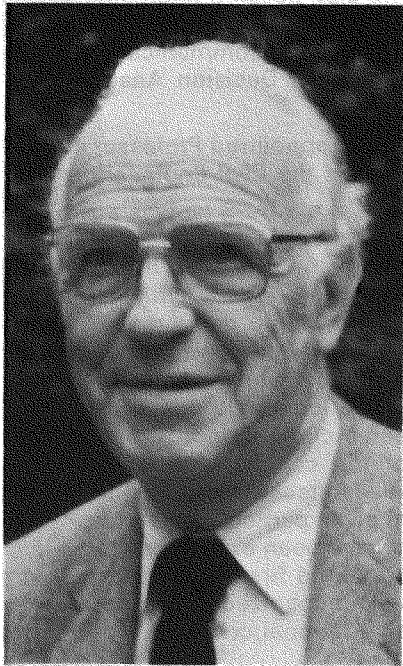


IN MEMORIAM



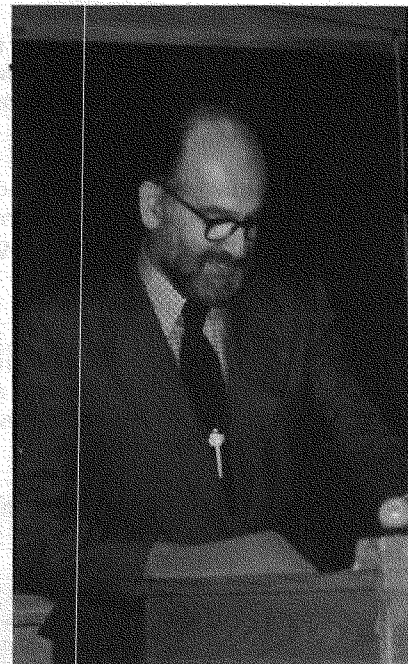
Prof. André Paduart, our past President died last February, in the afternoon of the 27th. R.I.P.

When this issue of the Bulletin of the IASS was almost finished we did learn this sudden and sorrowful notice.

We have decided not to change the printing in the maquette but to add this humble and sad note to Bulletin No. 86.

Prof. Paduart was born at Douvres on November 4, 1914, and reached his degree as civil engineer at the «Ecole Polytechnique de l'Université de Bruxelles» in 1936.

During all his life he had been able to do at the same time theoretical research work (in 1939 he was awarded the Price of the SRBII for that reason) practicing consulting work (SETRA and after SETESCO were directed by himself) and teaching in the «Uni-



We are greatly saddened by the loss of our professor, colleague and friend Ian Munro, who died suddenly on Wednesday 27th February 1985.

Professor John Munro was born in Glasgow the 8th of July 1925. He graduated in Civil Engineering at Glasgow University in 1951. After a year spent on reinforced concrete design with Truscon Steel Company, he moved to London to work for Ove Arup and Partners. There he had the opportunity to collaborate from 1952-55 with Dr. Ronald Stewart Jenkins, one of the IASS pioneers. This collaboration produced a strong influence on Ian's future work. He attended the postgraduate course in Concrete Structures at the Imperial College of Science and Technology, University of London. Following research on cylindrical shells at the College, he started lecturing on Structural Mechanics and Theory of Shells in the Concrete Structures Section, headed at that time by another IASS pioneer, Prof. A. L. Baker.

During the postgraduate course 1966-67 on Concrete Structures I met him and started to admire his

versité Libre» of Brussels, taking on the chairs previously held by Prof. Louis Baes and Richard Duprets.

Many generations of civil engineers have been formed and advised by his human way of teaching and many important and advanced works built by his ingenuity and boldness.

From the first moment shells, with their possibilities and difficulties did attract his attention and quite a few examples of his ability have been left adding something new to our times.

In the world exhibition of 1958 in Brussels the thin shell tower of the «Pavillon du Génie Civil» was a landmark for engineers, architects and for non specialized visitors.

As I have written earlier in the short notice of Eduardo Torroja's Medal Awarding Ceremony, I met him for the first time more than 25 years ago.

The last time I was able to speak with him was the same February 27th in the morning. Even through the phone his voice was young and enthusiastic as always. We were making plans for the next meeting of the Executive Council in Moscow. A few hours later he was unavoidably lost.

How many hours of fruitful talk were passing through my mind and through my heart when I did learn of his death.

In the burial ceremony Prof. André Jaumotte, ancient Rector and President of his beloved University, l'Université Libre de Bruxelles gave a speech from which I am going to quote just a paragraph:

«Nous qui l'avons connu, nous le revoyons: l'apparence tranquille, le visage arrondi, volontiers souriant, l'oeil bleu-gris plissé par l'attention, le cou puissant, le front ample légèrement dégarni, la chevelure souple, relevée, la voix posée, celle de l'homme qui ne prétend pas imposer mais convaincre après avoir longuement réfléchi, écouté. Qui n'a pas croisé son regard ne sait pas de quoi la clarté est faite».

I have borrowed those sentences from Prof. Jaumotte because I feel that, in French, they express very cleverly what I would like to say in Spanish.

May God give to him the eternal rest and to his whole family the resignation needed to remain without him. To all his family but very specially to Eliane and Olivia goes, through my simple homage, the IASS expression of sorrow.

R. López Palanco
President

extraordinary qualities as a teacher, researcher, engineer and friend. Ian's activities were wide-ranging and enthusiastically pursued throughout his life. His research displayed an uncommon elegance, starting from his use of the Goldenweiser Static-Kinematic Analysis in Shell Structures and leading ultimately to the principle of Static-Kinematic Duality in Structural Mechanics. This in turn was explored via mathematical programming where once again Duality theory gave existing and new structural theorems. However Ian's efforts were not restricted to shell structures only. From 1971 the Systems and Mechanics Section was established under his leadership, and he also became interested in areas apparently remote from Structural Engineering-Claude Shannon's Theory of Communication and Statistical Entropy, Statistical Decision Analysis and Zadeh's Fuzzy Set Theory.

In 1980 he was appointed Professor and in 1982 he became Head of the Civil Engineering Department.

As a Member of the IASS he was a strong supporter of the Association and belonged to the Executive Council from 1969. He was also treasurer of the Association for some years. With respect to the shell structures field, Munro made many significant contributions. His early work was concerned with linear theory on shallow shells. Later his research was related to variational methods and to the influence of the selected class of approximating functions on the rate of the convergence. Dynamic Shell Problems were also tackled and the vibrations of hyper shells were given particular attention. Many of Munro's papers have been extensively cited in the literature and a method first developed by him in 1967 has now been recognized as an important technique in developing rational codified design procedures.

He acted as consultant on many problems of structural design, including an interesting assignment on the rebuilding of the Dome of the Holy Sepulchre in Jerusalem.

He was editor of the Ellis Harwood Series of Engineering Structures and co-editor of the journals Engineering Structures and Civil Engineering Systems.

As a very keen traveller he was Fulbright Visiting Professor of Structural Engineering and Structural Mechanics, University of California, Berkeley in 1963-64, and also held appointments in the USA at Princeton, Michigan State University and the University of Colorado.

At this point I recall Ian's words written in Memoriam of his friend Jenkins (IASS Bulletin No. 61) «Our Association and our profession are impoverished by his loss». Undoubtedly this sentence can be applied also to him.

Finally I should like to express with my deep sorrow the sympathy of the IASS to his wife Dorothea, his daughter Lisa and son Neil.

A. Samartín