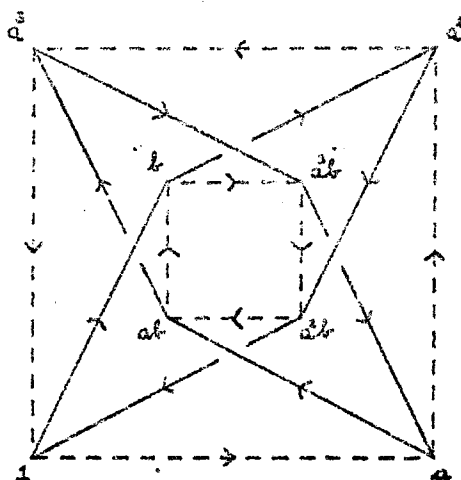Irish Mathematical Society

Logo

SES MacHALE (U.C.C.)

I approached the challenge of designing a logo for the Irish Mathematical Society in the following manner. Mathematics is created by people and the personalities of mathematicians are a unique source of impetus to the subject. Hamilton, who was proud to be an Irishman, was the greatest mathematician this country has produced and Quaternions was his greatest contribution to Mathematics. The Quaternion group generated by the elements i, j and k, gives eight elements in all and can conveniently be represented by a di-graph which is called a Cayley diagram. This fact also commemorates the Cayley-Hamilton Theorem (or is it the Hamilton-Cayley Theorem?) Another aspect of the logo I finally chose is that of Hamiltonian Circuits which are an important branch of Graph Theory and are currently an active area of research.

The logo is thus an abstraction of the Cayley di-graph of the quaternion group given by

$< a,b | a^4 = 1, a^2 = b^2, b^{-1}ab = a^3 >$ and it looks as follows when fully directed and labelled:-

NEWS AND ANNOUNCEMENTS

International Mathematical Union

At the General Assembly of the I.M.U. held in Warsaw on 8th and 9th August, 1982, the following awards were announced.

FIELDS MEDALS

- A. CONNES   (I.H.E.S., Paris)

- W. THURSTON   (PRINCETON UNIVERSITY)

- S.T. YAU   (I.A.S., PRINCETON)

NEVANLINNA PRIZE

- R. TARJAN   (Stanford)

The Nevanlinna Prize is a new prize in Information Science to be awarded every four years on the occasion of International Congresses of Mathematicians. The University of Helsinki is funding the prize.

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It was also announced that the 1986 ICM will be held at Berkeley, California.

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PERSONAL ITEMS

New Appointments.

Dr. R. Gimson of the Computer Science Dept., U.C.D. has been appointed to a Research Position at Oxford University.

Dr. J. Hannah, a Post Doctoral Fellow at the Mathematics Department, U.C.D. has been appointed to the staff of the Mathematics Department, U.C.G. Dr. Hannah works in Ring Theory.

Dr. J. Morris (Ph.D., T.C.D.) has been appointed to the staff of the Computer Science Department, U.C.D. Dr. Morris' speciality is Program Construction.