

## Paperback Polymorphism

SIR,—D. F. Owen comments (*Nature*, 245, 343) on the variety of colours in which R. A. Fisher's *The Genetical Theory of Natural Selection* is available in paperback, and speculates that Fisher "... would have been delighted to hear that the polymorphism in the paperback edition of his classic work had possibly affected its sales".

I happened to be with Fisher when he opened the parcel containing the first copies of the paperback edition that he had seen: he took one look at the cover (red) and said "Looks like a book by Hogben."

Yours faithfully,

A. W. F. EDWARDS

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## Announcements

### University News

Heriot-Watt University has conferred the title of Professor Emeritus upon Dr Walter G. Green.

The University of St Andrews has appointed Professor Vincent Bruce Proudfoot to the newly established Chair of Geography.

### Appointments

Mr Alan V. Holden has been appointed Officer in Charge of the Freshwater Fisheries Laboratory of the Department of Agriculture and Fisheries for Scotland at Pitlochry.

Professor J. Gani, Director of a combined school of the Universities of Sheffield and Manchester, has been appointed Chief of

the CSIRO Division of Mathematical Statistics.

Dr G. F. Humphrey, Officer in Charge of the CSIRO Marine Biochemistry Unit, has been elected Chairman of UNESCO's Intergovernmental Oceanographic Commission.

### Miscellaneous

The Zoological Society of London has awarded the first British Zoologist's Medal to Sir Julian Huxley.

A British Society for Population Studies has been set up to continue and expand the scientific study of population questions. The chairman is Professor D. V. Glass of the London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE.

The 1973 Soviet State Prizes for science were awarded as follows: to Nikolai A. Borisevich and Viktor G. Vereshchagin for studies of radiation scatter by dispersion systems and the development of a new wide-range infrared filter; to Marat I. Adamovich, Boris B. Govorkov, Anatolii S. Belousov, Andrei I. Lebedev, Sergei P. Kharlamov, Evgenii I. Tamm, Academician Anatolii A. Logunov, Lev D. Solov'ev, Aleksandr M. Baldin and Al'bert N. Tavkheldze for their work on the photogeneration of  $\pi$ -mesons on nucleons; to Nikolai P. Korneichuk for his work on extremal problems in approximation theory; to Academician Boris P. Nikol'skii, Professor Mikhail M. Shul'ts, Anatolii I. Parfenov, Anatolii A. Belyustin, Vladimir A. Dolidze, Archil N. Khutsishvili, Anatolii S. Benevol'skii, Viktor P. Yukhnovskii, Valentin V. Aleksandrov, Nikolai A. Fedotov and Nikolai A. Izmailov for work on the electrode properties of glasses; to Nikolai G. Rambidi, Yurii S. Ezhov, Petr A.

Akishin, Evgenii Z. Zasorin, Viktor P. Spiridonov and Mikhail I. Vinogradov for developing a new method of high-temperature gas electronography and applying it to study the structure of inorganic molecules at temperatures above 2,500° C; to Aleksei D. Shcheglov, Deputy Minister of Geology of the USSR, for publications on regional metallogeny; to Academician Innokentii P. Gerasimov, Nikolai F. Leont'ev, Yakob G. Mashbin, Dmitrii A. Lilienberg, Feofan F. Davitaya, Vladimir G. Brugger, Anatolii G. Voronov, Aleksandr M. Ryabchikov, and to Antonio Nuñez-Jimenez, Pedro Cañas-Abril, Salvador Massip-y-Valdes and Juan Torrente del Valle for work in compiling the National Atlas of Cuba; to David M. Golub for work on the development of the nervous system and the theoretical and experimental basis for establishing new nerve links and centres; and to Academician Aleksei P. Okladnikov and Viktor I. Shunkov for their five-volume *History of Siberia*.

### Solutions to Chess Problems

Problem 1: 1. Q-K2 mate.

Problem 2: 1. Kt-Kt6 mate.

Problem 3: 1. Castles (QR), any; 2. R-Q8 mate. The point of this problem is that Black could have reached the position in the diagram only by moving his king or rook on the immediately preceding move. Thus, although White can legally castle on his own move, Black has forfeited the right to castle on his move (which would otherwise have been a complete resource against the threat of mate).

Problem 4: White's last move must have been K (from K3) x P (Q3) giving discovered check. Black's preceding move to this must have been P (K5) x P e.p. (Q6) giving double check, and White's move before this P (Q2)-Q4. Black's move before this must have been a bishop move to QB4 giving check to the White king on K6. The main 'try' for White's last move in the position in the diagram is K (from Q2)-Q3 giving discovered check, and Black's preceding move being P (QB7) x White piece (QN8)=Kt giving double check. This solution, however, leads to an 'illegal' position as there are too many black pawn captures of white pieces (and pawns) needed to reach it from the pawn formation of the starting position of a game of chess.

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