

tions available, urine sensitivity reports, and communication with staff via the switchboard. We wished to establish the true extent of this dissatisfaction and to examine other areas where remedial action could lead to an improved service. The simplest approach was to circulate a questionnaire via the Family Practitioner Committee (now the FHSA) to all GPs in the area.

The questionnaire included questions that explored the general level of satisfaction with the service provided and satisfaction with the range of investigations, the timeliness of reports, report format, contact with laboratory staff—medical, technical and clerical—and educational activities. Respondents did not have to reveal their identity, although many chose to do so, and were given the opportunity to expand their views.

Questionnaires were sent to each of 410 GPs in Norfolk of which 167 replied, a response rate of just over 40%. Commercial experience would anticipate a response rate to a questionnaire of 15–20%. The general level of satisfaction was reassuring. Particular areas of concern such as switchboard response and access to medical and laboratory staff were less of a widespread problem than we had thought, and seemed to indicate irritation rather than dissatisfaction. Other comments have allowed us to address a number of issues. A more appropriate range of urinary antibiotics has been incorporated into our reporting protocol. Normal values/ranges have been added to reports to facilitate interpretation of results. We are looking at the demand for increased educational contact. Some issues require further consultation and have important cost implications.

Individual complaints can create the impression that the service provided is far from satisfactory. It is important to obtain objective evidence of users' opinions, so that areas of improvement can be addressed. Staff morale can also be adversely affected by individual complaints. We all found this exercise both useful and rewarding. So, we believe, did our users.

We thank all the general practitioners who participated in the survey for their cooperation.

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1 Pedler SJ, Bint AJ. Survey of users' attitude to their local microbiology laboratory. *J Clin Pathol* 1991;44:6–9.

#### Accreditation of clinical pathology laboratories in the United Kingdom: The story so far

In 1988 an ad hoc committee of the Royal College of Pathologists was set up to consider how an accreditation scheme for the assessment of NHS and private laboratories in the United Kingdom might be developed. The impetus for such a scheme was derived from discussions in Winnipeg following a meeting of the International Liaison Committee of Presidents, at which senior pathologists from both the College and the Association of Clinical Pathologists met with their American counterparts.

In 1989 a grant was obtained from the Trent Regional Health Authority to set up a pilot scheme in South Yorkshire, and Dr John Lilleyman was asked by the Committee

to establish both the documentation and the methods by which such a pilot scheme could be conducted.

Subsequent development has led to an expansion of the Steering Group to include laboratory and other professionals from the ACP, ACB and IMLS, Independent Health Care Association and NHS management with observers from the Department of Health, Scottish Health Department, the North of Ireland Health and Social Services Department and the Kings Fund. By this time the White Paper on health services had been published, giving an added impetus to the idea of medical audit, with the provision of finance for the development of such schemes.

In 1990 a phase 2 study was conducted in four regions during which more than 50 departments were inspected. The lessons learned from the two schemes has led to a continuing revision of the documentation, together with the compilation of lists of potential inspectors, and a detailed itemisation of all clinical pathology laboratories in the United Kingdom. In the near future the prototype inspection for the permanent Accreditation Scheme will take place in Scotland and elsewhere.

It was quickly realised that much useful information could be accumulated in the day-long laboratory inspection by having both a consultant pathologist and a senior medical laboratory scientific officer as a combined inspection team in each speciality, and this will probably become the pattern for the future.

Before the visit a manual, *Guidelines for accreditation—the standards to achieve*, is sent to the institution to be visited, together with a request to complete an application form giving details of the department. Each inspector has a manual with a checklist for each discipline based on a "tick box" format, covering all aspects of quality assessment, organisation and administration, personnel, facilities and equipment, policies and procedures and education.

Meetings are held not only with the consultant pathologists but also with members of the junior medical and technical staff, and with the hospital manager, and elected clinical and general practitioner representatives.

The pilot studies so far carried out have shown that 55–65% of laboratories would be accredited; 10% would fail, and the remainder have remedial deficiencies.

Recently a project manager (Mrs C Blair) has been appointed and an office set up in Sheffield while regional coordinators have been appointed to each region to assist the visitation process. In the near future a permanent Independent Accreditation Board will be created with a variable shareholding distributed between the Royal College of Pathologists and the Associations of Clinical Pathologists and Clinical Biochemists, the Institute of Medical Laboratory Sciences and NHS management. It is hoped to recruit other "users" to the Board, while "observers" from health departments in England, Wales, Scotland and Northern Ireland are likely to be invited to attend meetings.

An independent chairman with voting rights but without a shareholding will be appointed. The Board will be advised with respect to the granting of accreditation or otherwise by advisory panels in each discipline, in which it is hoped the specialist societies and the NEQUAS panels will be well represented.

In the absence of any untoward happenings

it is hoped that the scheme will be launched live in late 1991, with visitations being scheduled initially on a three to four year cycle, accreditation being continued in the intervening years by the completion of a questionnaire.

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## BOOK REVIEWS

All titles reviewed here are available from the BMJ Bookshop, PO Box 295, London WC1H 9TE. Prices include postage in the United Kingdom and for members of the British Forces Overseas, but overseas customers should add £2 per item for postage and packing. Payment can be made by cheque in sterling drawn on a United Kingdom bank, or by credit card (Mastercard, Visa or American Express) stating card number, expiry date, and your full name.

**Year Book of Pathology and Clinical Pathology. 1990.** Ed KM Brinkhouse. (Pp 385; £44.) Wolfe Publishing Ltd. 1990. ISBN 0-8151-1245-90.

This 43rd annual volume continues the series which is based on a selection of articles by a group of editors from 850 journals, with an abstract by the author and comments by an editor. This year the dominant theme is the application of new techniques in genetics, particularly the polymerase chain reaction, to general pathology and clinical pathology with its subspecialties. The general pathology papers as a group make fascinating reading and have been written so as to make the subject comprehensible to the non-geneticist. Apart from molecular genetics, there are review articles on the pulmonary-renal syndrome, classification of small cell carcinoma of the lung, and on fine needle aspiration of tumours. The book concludes with a list of selective new reviews, particularly in haematology. While in no way replacing a computed literature search of a specific topic, this year book gives an excellent overall review of pathology as we enter the last decade of the 20th century.

NK SHINTON

**Clinical Immunology. A Practical Approach.** Ed HC Gooi, H Chapel. **The Practical Approach Series.** (Pp 263; £22.50.) Oxford University Press. 1990. ISBN 0-19-963086-0.

This is a simple short book illustrating the spectrum of techniques involved in clinical immunology. There are nine chapters covering antibody and cellular deficiencies, neutrophil function tests and complement measurements, cellular and immunochemical investigations in lymphoid malignancy, autoantibodies and allergy. A strength of the book is the inclusion of appendices on how to

make reagents, a list of the suppliers of various reagents, and the case histories which highlight situations in which immunological investigations are required. Clinical information and applicability of the various tests are not discussed in depth, and in order to get the most out of the book one should have one of the more weighty clinical tomes. The book is not perfect. Some of the figures are not clear, the table on cytokines is out of date, and the section on immunohistory of lymphoid malignancies is really not appropriate for this kind of book. Nevertheless, at £22.50 the book is a good buy and should be of use to laboratory staff for the technical aspects and clinicians as a "how-to" book.

TT MACDONALD

**Atlas of Ear, Nose and Throat Pathology. Current Histopathology Series.** Vol 16. L Michaels. (Pp 119; £80.) Kluwer Academic Publishers. 1990. ISBN 0-7923-8934-4.

In this volume Professor Michaels completes his recent contributions to ear, nose, and throat bibliography with a colour atlas. For those familiar with his other publications for Springer this book covers similar territory but with the added advantage of a wealth of colour plates. There are welcome sections on the normal anatomy of the region together with many photographs of the beautiful microslipped middle ear preparations from his collection. This technique is covered in a degree of detail not previously afforded, but the reader is best advised to consult his other texts or the recent ACP datasheet for detailed examination of the larynx. The overall photographic quality is good, with only a small number of photographs marred by too low magnification or technically poor sections. Of necessity the text is brief, but in conjunction with the excellent photographs, make this a valuable bench book.

AJ NORTON

**Surgical Pathology of the Ovaries.** P Russell, P Bannatyne. (Pp 539; £85.) Churchill Livingstone. 1989. ISBN 0-443-03535-0.

This book covers the whole range of ovarian pathology. Although the emphasis is on tumours, the first third of the book covers aspects such as the embryology, surgical anatomy, histology and examination of the ovary, with subsequent sections on dysfunction and inflammation. There is a total of 56 chapters, which may appear daunting at first sight, until it is realised that each subject and each tumour is given a separate chapter. Although this results in some very short chapters (there is as little as a page and a half in the chapter on gynandroblastoma), it greatly adds to the ease of use of the book for quick reference; each entity can be found easily without the need to search through unnecessary text. In each chapter the entity is first defined and, following the presentation of the clinical pathology, the macroscopical and microscopical features are described, always with the help of numerous, excellent photographs. Wherever possible, the authors have used tables to set out differential diagnoses so that they can be seen easily at a glance. References are given at the end of every chapter: these are adequate without

being so profuse as to be obtrusive. Additional references to inherited syndromes in relation to ovarian pathology and paraneoplastic syndromes occurring with ovarian tumours are given in appendices.

This is an excellent book which provides a totally comprehensive coverage of ovarian pathology, presented in a manner that makes it ideal for a busy surgical pathologist. It can be thoroughly recommended for histopathologists at all levels.

MC ANDERSON

**Electron Microscopy of the Lung.** Ed Dean E Schraufnagel. **Lung Biology in Health and Disease.** Vol 48. (Pp 608; \$210.) Marcel Dekker Inc. 1990. ISBN 0-8247-8319-0.

This is a compendium of information on the lung studied by electron microscopy. The expert contributors are exclusively North American. The chapters cover instrumentation and techniques, basic biology, experimental studies and pathology. There are chapters on morphometry, scanning electron microscopy, the ultrastructural pathology of the human lung and asbestos related disease.

This book is attractively produced, with illustrations of an overall high standard, although the effect is somewhat spoiled in places, particularly in the pathology section, by quirky variations in the size and grouping of the micrographs, and the location of their captions.

The technical complexity, range, and variety of its content, not to mention its price, make this a book designed to appeal more to the specialist than to the general reader. It will provide a valuable point of entry for those seeking an understanding of the current role of ultrastructural techniques in the study of pulmonary biology and pathology.

PETER G TONER

## Some new titles

The receipt of books is acknowledged, and this listing must be regarded as sufficient return for the courtesy of the sender. Books that appear to be of particular interest will be reviewed as space permits.

**Inflammatory Indices in Chronic Bronchitis.** Ed CGA Persson, R Brattsand, LA Laitinen, P Venge. Agents and Actions Supplements Vol 30. (Pp 204; 78 sw fr.) Birkhauser. 1990. ISBN 3-7643-2370-1.

**Pharmaceutical Practice.** Ed DM Collett, ME Aulton. (Pp 496; £22.50.) Churchill Livingstone. 1990. ISBN 0-443-03644-6.

**Modern Pharmacology.** 3rd ed. Ed CR Craig, RE Stitzel. (Pp 1047; £21.95.) Churchill Livingstone. 1990. ISBN 0-316-15929-8.

**The Significance of N-Nitrosation of Drugs.** Drug Development and Evaluation Vol 16. Ed G Eisenbrand, G Bozler, H v Nicolai. (Pp 290; 55 fig; 48 tab; DM 98.) Gustav Fischer Verlag. 1990. ISBN 3-437-11315-1.

## NOTICES

**Postgraduate course:  
Current concepts in surgical  
pathology**

**November 18-22, 1991**

**Massachusetts General Hospital,  
Harvard Medical School**

This course is designed for pathologists at resident and practitioner levels. It will provide an in-depth review of diagnostic surgical pathology with emphasis on morphological features, newly recognised entities, and new techniques, presented by the faculty of the Department of Pathology, Massachusetts General Hospital. Instruction will be primarily by lecture, but will also include discussion periods. Each participant will receive a comprehensive course syllabus.

The fee for the course is \$650-00 (residents and fellows \$450-00)

For further information contact:  
Department of Continuing Education,  
Harvard Medical School, 25 Shattuck  
Street, Boston, MA 02115.  
Telephone: 617 432-1525.

**Association of Clinical Pathologists  
Junior Membership**

Junior membership of the Association is available to medical practitioners who have been engaged in the practice of pathology for a period of less than four years. Junior members are able to remain in this category for a maximum of six years or on the attainment of consultant status. The annual subscription is £24 for those resident in the United Kingdom and £55 for those overseas. The annual subscription may be claimed against tax.

Junior members receive the *Journal of Clinical Pathology* each month. Other benefits are reduced registration fees to attend ACP scientific meetings, all the documents regularly sent to full members of the Association including *ACP News*, which has a regular column for juniors, and the twice yearly summary of pathology courses included in the ACP programme of postgraduate education. Junior members have their own representative body, the Junior Members' Group, which has a direct input to Council.

For Junior Membership apply to: The Honorary Secretary, Association of Clinical Pathologists, School of Biological Sciences, Falmer, Brighton, BN1 9QG. (0273) 678435.