



BIBLIOGRAPHY OF NEPHROLOGY PART VIII:

PAPERS PUBLISHED DURING 2003, AND PAPERS PUBLISHED UP TO THE END OF 2002 BUT NOT LISTED AS YET.

The number of new publications this year continues at a lower level than the late 1990s, suggesting that perhaps the broad outlines of the history of nephrology have now been mapped; the number of “lost” papers has fallen off as well. Much remains to be done, however. This year the first of the papers presented at the meeting of the International Society for the History of Nephrology in Montecassino in May, 2003 are being published as a series in the *Journal of Nephrology*. Corrections and additions are welcome as always at:

jstewart.cameron2@btopenworld.com

PAPERS PUBLISHED DURING 2003

General history of Nephrology

Cameron (J)S, Eknoyan G. Unde ex orimur: Why “Nephrology”? *Semin Nephrol* 2003; 16: 147

- *the derivation and early uses of the term “nephrology”*

Timio M. Archivi storici della nefrologia Italiana. La storia della strumentazione in nefrologia, Parte II: microscopio e dializzatore (The history of instrumentation in nephrology Part II. Microscope and haemodialyzer. *Giorn Ital Nefrol* 2003; 20: 176-183

- *a start on a topic which deserves more attention; part I is listed in VII above*

Mydlik M, Derzsiova K. Historia nefrologie a mimotelovej eliminacnej liecby vo fakultnej L. Pasteura v Koscicach (History of nephrology and extracorporeal drug removal at the L. Pasteru hospital in Kosiče). *Vnitri Lekartsvi* 2003; 49: 329-333.

Marinozzi S. Imaging kidneys: unknown documents in the history of nephrology. Five consulti by Marcello Malpighi. *J Nephrol* 2003; 16: 945-948.

Spitzer A. Twenty-one years of developmental nephrology: the kidney then and now. *Pediatr Nephrol* 2003; 18: 165-173.

Morales Buenrostro LE, Correa-Rotter R. Evolucion de la Nefrología: de la teoria de los humores a la terapia genetica (The evolution of nephrology: from humoral theory to gene therapy). *Rev Invest Clin* 2003; 55: 200-206.

Baroni C, Tarchini R. Trent'anni di nefrologia e dialisi a Mantova. Risultati e prospettive (Thirty years of nephrology and dialysis in Mantua. Results and prospects). *Giorn Ital Nefrol* 2003; 20[suppl 22]: s49-s57.

Ostapenko VM. Nefrologicheskaia koseptpsia E.M. Tareeva v pervom otechestvennom klinicheskom rukovodstve po nefrologii (k 30-letiiu izdaniia “Osnov Nefrologii, 1972-2002 gg) (The nephrological concept of E. M Tareev in the first Russian clinical outline of nephrology (the 30th anniversary of *Fundamentals of Nephrology*, 1972-2002). *Terapevticheskii Archiv* 2003; 75: 92-95.



Biographical studies

De Santo NG, Bisaccia C, De Santo LS, Cirillo M, Richet G. Pierre-Joseph Desault (1738-1795) – a forerunner of modern medical teaching. *J Nephrol* 2003; 16: 742-753.

Richet G, Bisaccia C, De Santo NG. P.J. Desault and the birth of nephrology. *J Nephrol* 2003; 16: 754-759

- *these two studies of an almost forgotten innovator in teaching and medicine place him centrally in the prehistory of Nephrology. Like a number of great teachers, he wrote little. However his “Traité des maladies des voies urinaires” of 1799 was, along with that of Chopart in 1791, one of the earliest texts devoted exclusively to kidney disease as well as urological conditions. Purely urological texts, of course, had been around for centuries, from 1500 at least.*

Hierholzer K, Hierholzer J. Forgotten nephrologists: Leonhard Thurneysser and Hermann Senator. *J Nephrol* 2003; 16: 760-765.

- *the uroscopist Thurneysser was, after Paracelsus, one of the earliest to analyse urine in detail. Senator, amongst many contributions, developed with Munk in 1900 a synthesis of ideas on the formation of the urine which - like that of Metzner in 1908 – were similar to, and predated, the much more widely-quoted ideas of Cushny.*

Cameron JS, Hicks JA. Sir Robert Christison (1797-1882): a neglected founder of nephrology. *J Nephrol* 2003; 16: 766-773.

- *the only recent study in any detail of one of the major founders of Nephrology. The omission of Christison from the canon for so long remains puzzling a puzzling feature in the history of Nephrology. This, and the preceding three papers, were presented at the 2003 meeting of the IAHN in Montecassino.*

Fine LG. Charles Edward Isaacs (1811-1860): exploring the details of nephron structure and function in the post-Bowman period. *J Nephrol* 2003; 16: 774-778

Campbell JC, Eknoyan G. Francis Delafield (1841-1915): the original contribution of an American investigator to diseases of the kidney. *J Nephrol* 2003; 16: 779-784.

- *these two papers recognize the contribution of two early American nephrologists. In particular Delafield did a good deal of work in the field of renal pathology and was well-known in his time*

Dixon A. Eric George Laphorne Bywaters. Rheumatologist who discovered the cause of fatal kidney failure in victims of the Blitz. *Brit Med J* 2003; 326: 1461.

- *Bywaters survived to the age of 92. Much of his life was spent as a rheumatologist, but nephrologists remember him for his major work in putting acute renal failure from rhabdomyolysis on the medical map of the 1940s*

Jodal U. Jan Winberg. *Pediatr Nephrol* 18: 1082

Rauscher W. Hermann Olbing. *Pediatr Nephrol* 2003; 18: 1081

Lewy JB. Alan Burton Gruskin. *Pediatr Nephrol* 2003; 18: 1080

- *three now deceased pioneers of European and American paediatric nephrology.*



Oreopoulos DG. Obituary. Belding H Scribner (1921-2003). A giant of hemodialysis ... and peritoneal dialysis. *Perit Dial Int* 2003; 23: 421-422.

Lenzer J. Belding Scribner. The inventor of shunt dialysis. *Brit Med J* 2003; 327 : 167

Couser WG. In memoriam Belding Scribner M.D., 1921-2003. *Kidney Int* 2003; 64: 1135-1136.

- *not surprisingly, a number of appreciations of Scrib appeared after his death*

Scribner BH. A tale of two remarkable physicians. *Perit Dial Int* 2003; 23: 423

- *the physicians are Peter Lundin (1944-2001) and Robin Eady, both of whom survived and practiced medicine on RRT, for 38 and (now) 41 years respectively. Both received transplants in the 1980s. This was Scribner's last article, published posthumously.*

Wright P. Robert Alan Good. (1922-2003). *Lancet* 2003; 362: 1161.

- *before he went on to work on bone marrow transplantation Good published a number of pioneer works on glomerulonephritis in the 1950s with Vernier, Farquhar and others.*

[Seldin D. Presentation of the 2001 A.N. Richards award to Floyd C. Rector, Jr. *Kidney Int* 2003; 64: 379-386; Rector F.C. Acceptance of the 2001 A.N. Richards award. *ibid.* 382]

[Giebisch G. Presentation of the 2001 A.N. Richards award to Eberhard Frömter. *Kidney Int* 2003; 63: 2331-2342; Frömter E. Acceptance of the 2001 A.N. Richards award. *ibid.* 2343].

[Andreoli T.E. Presentation of the 2001 Jean Hamburger award to Roscoe R. Robinson. *Kidney Int* 2003; 64: 383-385; Robinson R.R. Acceptance of the 2001 Jean Hamburger award *ibid.* 386].

[Brandis M. Presentation of the 2001 Jean Hamburger award to professor Anita Aperia. *Kidney Int* 2003; 63: 2335-2336; Aperia A. Acceptance of the 2001 Jean Hamburger award *ibid.* 2337].

[Rees A. Presentation of the 2003 Jean Hamburger Award to J. Stewart Cameron. *Kidney Int* 2003; 64: 1933-1934. Cameron JS. Acceptance of the 2003 Jean Hamburger award. *ibid.* 1935-1936].

[De Wardener H. Presentation of the 2003 Jean Hamburger award to Robert W Schrier. *Kidney Int* 2003; 64: 1937-1938. Schrier RW. Acceptance of the 2003 Jean Hamburger award. *ibid.* 1939-1940].

[Kerjaschki D. Presentation of the 2003 A.N. Richards award to Marilyn Farquhar. *Kidney Int* 2003; 64: 1941-1942. Farquhar M. Acceptance of the A.N.Richards award. *ibid.* 1943-1944].

Roels H. Norbert Goormaghtigh and his contribution to the histophysiology of the kidney. *J Nephrol* 2003; 16: 965-969.

[Rutkowski B. 50 lat pracy naukowej Franciska Kokot (Professor Franciszek Kokot- 50 years in the field of research). *Pol Arch Med Wenw* 2003; 110: 1078-1081]

[Kokot F. Kaieira naukowa – szczęśliwy zbieg okolicznosci, czy tez uporczywe dazenie do przyzywania wielkiej przygody (My scientific career – happy coincidence or ambitious aspiration for exciting adventures). *Pol Arch Med Wenw* 2003; 110: 1089-1091].



[Grenda N. Profesor Teresa Wyszynska: wielki nefrolog – moj nauczyciel (Professor Teresa Wyszynska: great nephrologist, my tutor. Pol Arch Med Wenw 2003; 110: 1070-1072)]

Nephrology in the ancient world

Nephrology in the mediaeval world

Gazzaniga V. Giovanni Maria Lancisi and urology in the early modern age. J Nephrol 2003; 16: 939-944

Renal structure and function (anatomy and physiology)

Timio M., Saronio P, Capodicasa E, Timio F. Theories and controversies on urine formation. J Nephrol 2003; 16: 961-964.

George CRP. The cellular history of the glomerulus. J Nephrol 2003; 16: 949-957.

Antonello A, D'Angelo A, Nalesso F, Capezzi M, Malagoli A, Pastori G, Lazzarin R, Calò L, Bonfante L, Gambaro G. Double urine circulation: the importance of pores. J Nephrol 2003; 16: 958-960.

- *three more papers from the 2003 Montecassino meeting of the IAHN on the physiology of the glomerulus*

Malkin HM. Historical review of the concept of acid-base balance in medicine. Ann Clin Lab Sci 2003; 33: 337-344.

Uroscopy and urinalysis

Cameron (J)S, Eknoyan G. Unde ex orimur. When bubbles settle ... Semin Dial 2003; 16: 117.

- *the first of the new series of end-notes in **Seminars in Dialysis**, taking over from the "Multum in parvo" series by Sandy Moss (see part VI). This first paper in the new series deals with the long history of the observation of foamy urine in patients with profuse proteinuria.*

Cameron JS. Milk or albumin ? The history of proteinuria before Richard Bright. Nephrol Dial Transplant 2003; 18: 1281-1285.

The many prior observations of proteinuria which formed one of the legs of the tripod of Bright's 1827 hypothesis

Parenchymatous renal diseases

Cameron JS. Fifty years of established diabetic nephropathy – a personal perspective. B J Diabetes Vasc Dis 2003; 3: 8-16.

- *an account of the treatment – and neglect - of ESRD in diabetics over a half century*



Moss S. Multum in parvo. Black holes and ring nebulae. Semin Dial 2003; 16: 76.

- *methicillin-induced nephropathy: Moss' last contribution to the **Multum in parvo** series, a complete list of which up to 2001 was included in part VI of this series, and subsequent titles in part VII. This was followed by the current series **Unde ex Orimur**, by J Stewart Cameron and Gary Eknoyan (passim).*

Aronson J. When I use a word : Dropsy. Br Med J 2003; 326: 491

Timio M, Saronio P, Vecchi L, Timio F, Bellomo G. Nefropatia diabetica e scoperta dell'insulina. Due storie parallele (Diabetic nephropathy and insulin discovery. Two parallel histories). Giorn Ital Nefrol 2003; 20: 625-630.

Garcia Nieto V, Claverie Martin F. Dent disease: history and genetic aspects of a "new" tubulopathy. Nefrología 2003; 23: 195-199.

Hypertension

Timio M. Archivi storici della nefrologia Italiana. Le teorie sull'arteriosclerosi nella scienza nefrologica (Historical archives of Italian nephrology. Virchow's theories of arteriosclerosis and related kidney disease (author's English title)). Giorn Ital Nefrol 2003; 20: 393-399

Timio M. Archivi storici della nefrologia Italiana. Goldblatt, rene e ipertensione: un trionfo epico nella storia della nefrologia (Goldblatt kidney and hypertension. Three steps in the history of nephrology). Giorn Ital Nefrol 2003; 20: 512-515.

Uraemia

Cameron (J)S , Eknoyan G. Unde ex orimur: End-stage kidney disease – the origin. Semin Dialysis 2003; 16, 223.

- *a note on the earliest description of chronic renal failure from Rufus of Ephesus (see Eknoyan's full article in Section VII)*

Dialysis

Cameron (J)S, Eknoyan G. Unde ex orimur: the men who made long term dialysis possible - Roy Plunckett and Loren Winterscheid ! Semin Dialysis 2003; 16: 383

- *Plunckett first made PTFE in 1937, and Loren Winterscheid told Scribner about it in 1960*

Cameron (J)S, Eknoyan G. Unde ex orimur: Whose can was it anyway ? Semin Dialysis 2003; 16: 345

- *Bruno Watschinger and Pim Kolff's first twin-coil dialyser in 1956 was mounted on a fruit can – but which can ?*

Cameron (J)S, Eknoyan G. Unde ex orimur: Acute renal failure - fetch some intestine ! Semin Dialysis 2003; 16: 457.

- *the ex vivo use of prepared intestine, rather than cellophane tubing, for haemodialysis by Dérot in Paris in 1946.*



Shaldon S. Frequent prolonged home haemodialysis. *Nephrol Dialysis Transplant* 2003; 18: 1417 (letter).

Fogazzi GB. May 1954: the first ever symposium on the artificial kidney. *Nephrol Dialysis Transplant* 2003; 18: 1726-1730.

- Fogazzi notes that almost all the surviving participants in this conference, organised by urologists in Italy but attend also by Bartrina from Barcelona and Legrain from Paris, seem to have forgotten it ! Nevertheless, it represents a landmark in the history of dialysis and Nephrology as one of the earliest meetings devoted entirely to a renal topic.

Winearls CG, Pugh CW. Staying one step ahead – one patient's experience. *Br J Renal Med.* Winter 2003/4; 6-9.

The story of patient at the Oxford Unit in the UK who refused transplantation, and lived on dialysis from 1966 until her death in 2001- at 35 years the longest survival purely on dialysis so far recorded.

Kolff WJ. A Multimillion dollar industry but not for poor countries. *ASAIO J* 2003; 49: 510.

- Kolff's first paper on dialysis was published 60 years ago, and he strove for years to make it simple, cheap and widely available.

Henderson LW. The beginning of clinical hemofiltration: a personal account. *ASAIO J* 2003; 49: 513-517.

- a personal account from one of the pioneers of convective treatments for uraemia

Transplantation

Brent L. The 50th anniversary of the discovery of immunologic tolerance. *N Engl J Med* 2003; 349: 1381-1383

- these early experiments in Medawar's laboratory helped promote attempts at clinical transplantation during the 1950s, despite his well-known skepticism that the observations had any clinical relevance

Langer R, Perner F. A vese autotransplantantacioja 100 evvel Ullmann Imre uttoro mutetjet kovetoen (Autotransplantation of the kidney. 100 years after Imre Ullman's pionering operation). *Orvosi Hetilap* 2003; 144: 1115-1119

Tilney NL. *Transplants: from myth to reality*. Yale University Press, New Haven Conn, 2003.

- an attempt at a history of transplantation, which although useful falls short in several respects

Hakim NS, Papalois VE. *History of organ and cell transplantation*. Imperial College Press, London, 2003

Miscellaneous

Timio M. Archivi storici della nefrologia Italiana. La storia della nefropatia gravidica (Historical archives of Italian nephrology. A historical review of Colucci's theories on pregnancy-associated nephropathy (Author's title)). *Giorn Ital Nefrol* 2003; 20: 280-284



PAPERS PUBLISHED UP TO THE END OF 2002, BUT NOT LISTED HITHERTO

General history of Nephrology:

Darnell A. Conceptualizació i practica de la nefrologia al llarg del segle XX (Idea and practice of nephrology [at the end of ?] the 20th century) *Annals de Medicina* 2000; 83; 185-187.

Scaorina F. *Nefrós: cronache e convinzioni alla scoperta dei reni (Nefrós: chronicles and convictions in the discovery of the kidneys)*. Pietro Pintore Editore, Torino, 2002.

- *This almost 600-page book in Italian is the first comprehensive history of Nephrology since that of Bleker in 1972 (see Part I of this bibliography), which was in German. Although it presents few entirely new insights into the history of Nephrology, and acknowledges little the secondary sources (such as those listed in this bibliography) which have clearly been accessed also, it is a quite complete coverage of the important primary literature published in the area over the centuries.*

Biographical studies

Keynes M, Butterfield J. Sir Clifford Allbutt: physican and Regius professor 1892-1925. *J Med Biogr* 1993; 1: 67-75

- *Allbutt studied and placed essential hypertension firmly in the minds of physicians everywhere, giving credit to Mahomed and others.*

Theodorides J. Pierre François Olive Rayer (1793-1867). *J Med Biogr* 1995; 3: 192-196.

- *So far, rather surprisingly, this is the only article on Rayer in English, although Richet, Theodorides himself and others have published in French on his life and work.*

Ford JM. George Johnson (1818-1896). *J Med Biogr* 2002; 10: 154.

- *Johnson, although perhaps Britain's leading expert on the kidney during the second half of the nineteenth century, has received very little attention from historians of medicine or nephrology.*

Nephrology in the ancient world

Parenchymatous kidney disease

Matteson EL. Notes on the history of eponymic idiopathic vasculitis: the diseases of Henoch and Schoenlein, Wegener, Churg and Strauss, Horton, Takayasu, Behçet and Kawasaki. *Arthritis Care Res* 2000; 13: 237-245.

Uraemia

Chang TM. Artificial cells for artificial organs. 1972 (historical article). *Artif Cells, Blood Substitutes & Immobilization Technology* 2002; 30: 469-497.



Dialysis

Shaldon S. Letter to the editor (Home hemodialysis). ASAIO Journal 2002; 48: 577.

Nosé Y. Reply ASAIO Journal 2002; 48: 578

- Shaldon disputes the suggestion (made first in 1965) that Nosé used a washing-machine-based dialyser to perform regular home haemodialysis for uraemia in 1961. On review of these two letters and the evidence cited, it does seem that this oft-repeated claim has no basis, although it is correct that Nosé performed some domestic and other (supervised) outside-hospital dialyses, mainly for barbiturate intoxication. (see also Shaldon (2004) J Nephrol; 17: 316-7).

Dunea G. Dialysis dementia - an epidemic which came and went. ASAIO J 2001; 47: 192-194

- the American side of the alumin(i)um toxicity story, fortunately now only a bad memory

Transplantation

Cinqualbre J, Kahan BD. René Küss: fifty years of retroperitoneal placement of renal transplants. Transpl Proc 2002; 34: 3019-3025.

- Küss described the now almost universally employed technique of kidney placement during transplantation, in early transplants done using "free" kidneys and kidneys from executed prisoners

Murray J. Interview with Dr Joseph Murray (by Frances L Delmonico). Am J Transpl 2002; 2: 803-86.

Eigler FW. Die Geschichte der Transplantation in Deutschland (The history of transplantation in Germany). Zentralblatt für Chirurgie 2002; 127: 1001-1008.

Langer RM, Kahan BD. 100 years ago. Ullman's pioneering operation – autotransplantation of the kidney. Transp Proc 2002; 34: 429-33.

- for yet more on Ullmann, see above and Section VII

Miscellaneous

Esiner BH, Bloom DA. Wolff and Müller. Fundamental eponyms of embryology, nephrology and urology. J Urol 2002; 168: 425-428.

Illyes G. Uretercatheterizes es radiographia 1901. (Ureteral catheterization and radiography. 1901. Orvosi Hetilap 2002; 143: 1705-1708, discussion 1708-1709.