
Editors' message: Online re-publication of legacy articles on the occasion of *Hydrogeology Journal's* 20th anniversary, 1992–2012

Clifford I. Voss · Sue M. Duncan

Keywords *Hydrogeology Journal* · History of hydrogeology

Hydrogeology Journal (HJ), initiated by the International Association of Hydrogeologists (IAH) and the Founding Editor, Professor Eugene Simpson of the University of Arizona, USA, first appeared in 1992. The journal was initially entitled “*Applied Hydrogeology*” and its introductory issue was ‘volume 0’. As volume 20 of 2012 becomes complete with publication of the current issue, the HJ team, IAH, and Springer Verlag (HJ’s publisher) are marking this significant anniversary by re-publishing 54 articles that have not been widely available. These legacy articles existed only in old printed issues, inaccessible to most readers. By early 2013, they will be accessible in the online library of *Hydrogeology Journal* (<http://www.springer.com/hydrogeologyjournal>).

Before Springer became HJ’s new publisher in 1998, the journal appeared exclusively in paper issues. Much of this printed material was scanned and published in the online HJ library by Springer in 2000; however, at that time, some printed articles were inadvertently overlooked. These forgotten articles will be re-published in the online library with newly assigned digital object identifiers (DOIs), which

provide formal references to the new online publications. Other forgotten printed articles in early issues had not appeared on normally numbered journal pages (being printed on ‘A pages’ instead). Articles on these pages are not recognized as formal publications and so were not scanned in 2000. These ‘A-page’ articles are now available online as electronic supplementary material (ESM) associated with this Editors’ message.

A variety of distinguished authors, article types and both interesting and useful historical and technical subjects are included in these articles. A brief description of their content is provided below (with reference to the list of re-published legacy articles in Table 1).

Online publication of these articles by IAH and Springer makes complete the online library of all articles that ever appeared in *Applied Hydrogeology* and *Hydrogeology Journal*.

Happy 20th Anniversary *Hydrogeology Journal*!

Editor messages. Founding Editor, Eugene Simpson, wrote Editor messages in the first four issues of the journal, then called “*Applied Hydrogeology*” (Simpson 1992). He introduced the journal, gave reasons for needing this publication, and set the scope of content. Much of the founding philosophy still applies to the current journal. The first issue was graced by a welcome from the IAH President (Romijn 1992), who announced that abstracts would also be published in French.

A transition to new Editors began in 1994, when Simpson was forced to step down as a result of illness, as announced in an Editor message by Moore et al. (1994), which introduced the new Editors with short biographies, and provided a message about this transition from the publisher Verlag Heinz Heise. A message was also included from the new Editors, Voss and Wilson, who reiterated, expanded, and detailed journal scope. Voss (1994) wrote about plans regarding journal organization and new article types that included both applied and theoretical hydrogeology. The journal was later further broadened by a change in name to *Hydrogeology Journal* (Voss and Wilson 1995).

A series of Editor messages about journal business by Voss and/or Wilson (1995, 1996, 1997, 1998; see [ESM1](#), [ESM2](#)), 1999; see [ESM5](#)) discussed journal status, and announced yearly theme issues, beginning with an issue

Received: 25 October 2012 / Accepted: 28 October 2012
Published online: 25 November 2012

© Springer-Verlag Berlin Heidelberg (outside the USA) 2012

Electronic supplementary material The online version of this article (doi:10.1007/s10040-012-0928-1) contains supplementary material, which is available to authorized users.

C.I. Voss is the Executive Editor of *Hydrogeology Journal* (HJ)
S.M. Duncan is the Technical Editorial Advisor for HJ

C. I. Voss (✉)
US Geological Survey,
345 Middlefield Rd, MS 496, Menlo Park, CA 94025, USA
e-mail: cvoss@usgs.gov

S. M. Duncan
International Association of Hydrogeologists, PO Box 4130
Goring, Reading, RG8 6BJ, UK
e-mail: sduncan@iah.org

Table 1 Summary of re-published articles

Author(s)	Title [extended title ^a]	Year ^b	Volume, issue	Page(s)	DOI or ESM ^c	Article category ^{a,d}	Keywords ^{a,d}
Eugene S. Simpson	Editor's preface	1992 (Applied Hydro.)	0, 0	1	10.1007/s10040-992-0010-5	Editor's message	Hydrogeology Journal
Erik Romijn	International Association of Hydrogeologists/ Association Internationale des Hydrogeologues [President's letter to all members of IAH]	1992 (Applied Hydro.)	0, 0	3	10.1007/s10040-992-0011-4	Technical note	Hydrogeology Journal; IAH
J.B.W. Day	A brief account of the International Association of Hydrogeologists	1992 (Applied Hydro.)	0, 0	45–50	10.1007/s10040-992-0012-3	Report	Hydrogeology Journal, IAH
Eugene S. Simpson	Editor's preface	1992 (Applied Hydro.)	1, 1	1	10.1007/s10040-992-0007-0	Editor's message	Hydrogeology Journal
Eugene S. Simpson	Editor's preface	1992 (Applied Hydro.)	1, 2	1	10.1007/s10040-992-0005-2	Editor's message	Hydrogeology Journal
Charles W. Kreitler	Book review: "Applied Groundwater Hydrology: A British Perspective", Edited by R.A. Downing and W.B. Wilkinson, Clarendon Press, Oxford, 1991, 331 pp.	1992 (Applied Hydro.)	1, 2	60	10.1007/s10040-992-0006-1	Publication note	Review (book), groundwater hydrology, Great Britain/UK
Eugene S. Simpson	Editor's preface	1992 (Applied Hydro.)	1, 3	1	10.1007/s10040-992-0004-3	Editor's message	Hydrogeology Journal
Ken W.P. Howard	Book review: "The Hydrogeology of Crystalline Basement Aquifers in Africa", Edited by E.P. Wright and W.G. Burgess, Geological Survey Special Publication no. 66, London, 1992, 264 pp.	1992 (Applied Hydro.)	1, 4	49–50	10.1007/s10040-992-0001-6	Publication note	Review (book), Africa, crystalline rocks
S. B. Parsons	Comment: A simple theory for estimating well losses with application to test wells in Bangladesh [by J.A. Barker and R. Herbert. Applied Hydrogeology, 1992, vol. 0, pp.20–31]	1992 (Applied Hydro.)	1, 4	53–54	10.1007/s10040-992-0002-5	Comment and reply	Comment, Bangladesh, well losses
J.A. Barker and R. Herbert	Reply: A simple theory for estimating well losses: with application to test wells in Bangladesh [by J.A. Barker and R. Herbert. Applied Hydrogeology, 1992, vol. 0, pp. 20–31]	1992 (Applied Hydro.)	1, 4	55–56	10.1007/s10040-992-0003-4	Comment and reply	Reply, Bangladesh, well losses
John E. Moore, Clifford I. Voss and William E. Wilson	Editors' preface [Acting Editor John E. Moore; Publisher's Note; Clifford I. Voss; William E. Wilson; Message from the new editors]	1994 (Applied Hydro.)	2, 1	3–5	10.1007/s10040-994-0006-4	Editor's message	Hydrogeology Journal
R. Allen Freeze	Profiles of eminent hydrogeologists: Henry Darcy 1803–1858	1994 (Applied Hydro.)	2, 1	53	10.1007/s10040-994-0007-3	Profile of eminent hydrogeologist	Profile, Darcy, France

Table 1 (continued)

Author(s)	Title [extended title ^a]	Year ^b	Volume, Page(s) issue	DOI or ESM ^c	Article category ^{a,d}	Keywords ^{a,d}
David Banks	Editor's preface	1994 (Applied Hydro.)	2, 2 3	10.1007/s10040-994-0005-5	Preface	Hydrogeology Journal, hard rocks
David Banks	Editor's preface	1994 (Applied Hydro.)	2, 3 3	10.1007/s10040-994-0004-6	Preface	Hydrogeology Journal, hard rocks, IAH
Clifford I. Voss	Editor's message	1994 (Applied Hydro.)	2, 4 5–6	10.1007/s10040-994-0001-9	Editor's message	Hydrogeology Journal
J.J. de Vries	Willem Badon Ghibben and Johan M.K. Pennink: pioneers of coastal-dune hydrology	1994 (Applied Hydro.)	2, 4 55–57	10.1007/s10040-994-0002-8	Profile of eminent hydrogeologist	Profile, The Netherlands
James A. Miller	“Ground Water Atlas of the United States”	1994 (Applied Hydro.)	2, 4 59–62	10.1007/s10040-994-0003-7	Report	USA, groundwater
Clifford I. Voss and William E. Wilson	Editors' message	1995 (Applied Hydro.)	3, 1 2	10.1007/s10040-995-0006-z	Editor's message	Hydrogeology Journal
David Banks	Editor's message	1995	3, 2 2	10.1007/s10040-995-0004-1	Editor's message	World wide web
Gerald Meyer	Oscar E. Meinzer—father of modern groundwater hydrology in the United States	1995	3, 2 76–78	10.1007/s10040-995-0005-0	Profile of eminent hydrogeologist	Profile, USA
William E. Wilson	Editor's message	1995	3, 3 2	10.1007/s10040-995-0002-3	Editor's message	Hydrogeology Journal
E. Zaltsberg	N.I. Tolstihin, a patriarch of Russian hydrogeology	1995	3, 3 75–76	10.1007/s10040-995-0003-2	Profile of eminent hydrogeologist	Profile, Russia
Philip E. LaMoreaux	Editor's message: American Geological Institute and international geoscience	1995	3, 4 2	10.1007/s10040-995-0001-4	Editor's message	AGI, IAH
Clifford I. Voss and William E. Wilson	Editors' message	1996	4, 1 2	10.1007/s10040-996-0014-7	Editor's message	Hydrogeology Journal
David N. Lerner	Guest Editor's preface: Theme issue on urban groundwater	1996	4, 1 4–5	10.1007/s10040-996-0015-6	Preface	Urban groundwater
D. Guyonnet, B. Côme, and J.-P. Sauty	Erratum to: Type curves for estimating breakthrough times of pollutants with first-order decay [Hydrogeology Journal, 1995, vol. 3, no. 4, pp. 95–102]	1996	4, 1 130	10.1007/s10040-996-0016-5	Erratum	
Clifford I. Voss and William E. Wilson	Editors' message	1996	4, 2 2	10.1007/s10040-996-0011-x	Editor's message	Hydrogeology Journal

Table 1 (continued)

Author(s)	Title [extended title ^a]	Year ^b	Volume, Page(s) issue	DOI or ESM ^c	Article category ^{a,d}	Keywords ^{a,d}
S.B. Deolanker	D. G. Limaye—a pioneer in hard-rock hydrogeology in India	1996	4, 2 89–90	10.1007/s10040-996-0012-9	Profile of eminent hydrogeologist	Profile, India, hard rock hydrogeology
Richard H. Johnston	Review: “The Hydrogeology of the Chalk of North-West Europe”, Edited by R.A. Downing, M. Price, and G.P. Jones	1996	4, 2 91–92	10.1007/s10040-996-0013-8	Publication note	Review (book), Europe, Chalk
Eduardo J. Usunoff	Hydrogeological problems of Argentina’s pampas: Editor’s message	1996	4, 3 2	10.1007/s10040-996-0003-x	Editor’s message	Argentina, pampas
William Back	T.C. Chamberlin, early American hydrogeologist	1996	4, 3 ^e 94–95	10.1007/s10040-996-0004-9	Profile of eminent hydrogeologist	Profile, USA
A.C.M. Laing	Comment by A.C.M. Laing on Tóth, József, 1995, Hydraulic continuity in large sedimentary basins: Hydrogeology Journal, vol. 3, no. 4, pp. 4–16	1996	4, 3 96	10.1007/s10040-996-0005-8	Comment and reply	Comment, sedimentary basins, regional flow
József Tóth	Reply by József Tóth [Reply to comment by A.C.M. Laing on Tóth, József, 1995, Hydraulic continuity in large sedimentary basins: Hydrogeology Journal, vol. 3, no. 4, pp. 4–16]	1996	4, 3 96–98	10.1007/s10040-996-0006-7	Comment and reply	Reply, sedimentary basins, regional flow
Emanuel Mazor	Comment by Emanuel Mazor on Tóth, József, 1995, Hydraulic continuity in large sedimentary basins: Hydrogeology Journal, vol. 3, no. 4, pp. 4–16	1996	4, 3 98–102	10.1007/s10040-996-0007-6	Comment and reply	Comment, sedimentary basins, regional flow
József Tóth	Reply by József Tóth [Reply to comment by Emanuel Mazor on Tóth, József, 1995, Hydraulic continuity in large sedimentary basins: Hydrogeology Journal, vol. 3, no. 4, pp. 4–16]	1996	4, 3 102–107	10.1007/s10040-996-0008-5	Comment and reply	Reply, sedimentary basins, regional flow
P. Perrochet	Comment by P. Perrochet on Guyonnet, D., Côme, B., and Sauty, J.-P., 1995, Type curves for estimating breakthrough times of pollutants with first-order decay: Hydrogeology Journal, vol. 3, no. 4, pp. 95–102	1996	4, 3 107–108	10.1007/s10040-996-0009-4	Comment and reply	Comment, type curves, solute transport
D. Guyonnet, B. Côme, and J.-P. Sauty	Reply by D. Guyonnet, B. Côme, and J.-P. Sauty [Reply to comment by P. Perrochet on Guyonnet, D., Côme, B., and Sauty, J.-P., 1995, Type curves for estimating breakthrough times of pollutants with first-order decay: Hydrogeology Journal, vol. 3, no. 4, pp. 95–102]	1996	4, 3 109–110	10.1007/s10040-996-0010-y	Comment and reply	Reply, type curves, solute transport

Table 1 (continued)

Author(s)	Title [extended title ^a]	Year ^b	Volume, Page(s) issue	DOI or ESM ^c	Article category ^{a,d}	Keywords ^{a,d}
Mark Person	Crustal-scale hydrogeology—an emerging paradigm: Editor's message	1996	4, 4 2	10.1007/s10040-996-0001-z	Editor's message	Regional flow, deep groundwater
Robert W. Ritzi, David F. Dominic, and Kenneth W. Kausch	Erratum to: Aquitard distribution in a northern reach of the Miami Valley aquifer, Ohio, USA: Part 1. Three-dimensional geostatistical evaluation of physical heterogeneity. [Hydrogeology Journal, 1996, vol. 4, no. 2, pp. 12–24]	1996	4, 4 97	10.1007/s10040-996-0017-4	Erratum	
David F. Dominic, Robert W. Ritzi and Kenneth W. Kausch	Erratum to: Aquitard distribution in a northern reach of the Miami Valley aquifer, Ohio, USA: Part 2. Interpretation of facies and geostatistical results. [Hydrogeology Journal, 1996, vol. 4, no. 2, pp. 25–35]	1996	4, 4 97	10.1007/s10040-996-0018-3	Erratum	
Clifford I. Voss and William E. Wilson	Editors' message	1997	5, 1 2	10.1007/s10040-997-0007-1	Editor's message	Hydrogeology Journal
Gerry Jacobson	Guest Editor's preface: Groundwater processes in land and water salinisation	1997	5, 1 4–5	10.1007/s10040-997-0009-z	Preface	Salinization
Ji Chuanmao	Editors' messages: Hydrogeology and the IGC	1997	5, 2 2	10.1007/s10040-997-0004-4	Editor's message	Hydrogeology, China
William E. Wilson	Editors' messages: "Profiles of Eminent Hydrogeologists"	1997	5, 2 2	10.1007/s10040-997-0005-3	Editor's message	Hydrogeology Journal, profiles
John E. Moore	Review: "Introducing Groundwater" (2nd Edition) by Michael Price	1997	5, 2 96	10.1007/s10040-997-0011-5	Publication note	Review (book), general hydrogeology
Yuceel Yurtsever	Editor's message: Hydrology, Isotopes, and the International Atomic Energy Agency	1997	5, 3 2	10.1007/s10040-997-0001-7	Editor's message	Isotopes, IAEA, isotope hydrology
Shrikant D. Limaye	Samuel Mandel: International Teacher of Hydrogeology	1997	5, 3 124	10.1007/s10040-997-0002-6	Profile of eminent hydrogeologist	Profile
E.P. Loehnert	Konrad Keilhack: Pioneer of German Hydrogeology	1997	5, 3 125	10.1007/s10040-997-0003-5	Profile of eminent hydrogeologist	Profile, Germany
Andrew Skinner	Editor's message	1997	5, 4 2	10.1007/s10040-997-0006-2	Editor's message	Hydrogeology Journal
Clifford I. Voss and William E. Wilson	Editors' message	1998	6, 1 A4	ESM1 (this article)	Editor's message	Hydrogeology Journal

Table 1 (continued)

Author(s)	Title [extended title ^a]	Year ^b	Volume, Page(s) issue	DOI or ESM ^c	Article category ^{a,d}	Keywords ^{a,d}
C. I. Voss and W. E. Wilson	Editors' message	1998	6, 2 A4	ESM2 (this article)	Editor's message	Hydrogeology Journal
Gerry Jacobson	Editor's message: Arsenic poisoning from groundwater in Bengal—A vast, tragic, hydrogeological problem unfolds	1998	6, 3 A4	ESM3 (this article)	Editor's message	Arsenic, Bangladesh, contamination
Clifford I. Voss	Editor's message: Groundwater modeling: Simply powerful	1998	6, 4 A4, A5, A6	ESM4 (this article)	Editor's message	Numerical modeling, groundwater modeling
William E. Wilson and Clifford I. Voss	Editors' message	1999	7, 1 A4	ESM5 (this article)	Editor's message	Hydrogeology Journal

^aInformation added for this Editors' message only (not recorded with the online article itself)

^bVolumes 0, 1 and 2 were called *Applied Hydrogeology*; subsequent volumes are called *Hydrogeology Journal*. There was no publication in 1993

^cDOI digital object identifier, ESM electronic supplementary material

^dInformation relates to current (2012) category and keyword criteria for *Hydrogeology Journal*, plus article-specific keywords

^eThe footers in the article incorrectly state "v.4, no.2". This should be "v.4, no.3"

dedicated to Simpson (see also Neuman and Campana 1998). These messages included thanks to reviewers and an introduction of a reformatted print style, necessary to save paper space. Two new article types were presented giving desired content of ‘Reports’ and guidelines for ‘Profiles of Eminent Hydrogeologists’. The initiation of online publication and expansion of HJ from four to six issues per year were announced.

The new Editors encouraged journal Associate Editors to write Editor messages. The first was by Banks (1995) on the advent of the Internet and its potential for productive employment by IAH. LaMoreaux (1995) wrote on the relationship of the American Geological Institute (AGI) and IAH. Usunoff (1996) told about the status of hydrogeologic knowledge and management for Argentina’s pampas. Person (1996) discussed large-scale, long-time flow processes and the need for new focus on these topics. This is interesting in light of the Comment/Reply discussion regarding an article by Tóth, described below. Ji Chuanmao (1997) wrote about the 1996 International Geological Congress (IGC) in China, and Yurtsever (1997) described the role of the International Atomic Energy Agency (IAEA) in isotope hydrology. Jacobson (1998; see ESM3) reported on the unprecedented scope of a potential public health disaster arising from widespread arsenic poisoning of the groundwater supply in Bangladesh and India, in an Editor’s message with content that is still highly relevant.

In 1998, Springer Verlag became the publisher of *Hydrogeology Journal*. This was announced in an Editor message by Skinner (1997), the Executive Secretary of IAH, who played a key role in establishing and maintaining the journal. The message gives the history of journal establishment and announces the change of publisher.

One of the last legacy Editor messages provided a view on the philosophy of groundwater modeling from the 1990s (Voss 1998; see ESM4). This is of interest in relation to more-recent opinion Editor messages on the desirability of simplicity in modeling (Voss 2011a, b).

Prefaces. For each theme issue, the Guest Editor provides a Preface to introduce the issue. In the pre-theme-issue years, Guest Editor Banks (1994) introduced two issues on the hard-rock hydrogeology theme that included articles selected from the 1993 IAH Congress “Hydrogeology of Hard Rocks” in Norway. The first true theme issue, on ‘urban groundwater’, was introduced by Lerner

(1996) and the second, on ‘groundwater processes in land and water salinisation’, was prefaced by Jacobson (1997).

Reports. Two Reports are included in the legacy articles. Day (1992) reported on the story of IAH—its history, purpose, activities and future. Miller (1994) announced and described a national-scale compilation of groundwater in the USA.

Profiles. A set of fascinating scientific biographies of eminent hydrogeologists was found among the legacy articles. The profiled scientists come from several countries and include: Henry Darcy (Freeze 1994), Willem Badon Ghijben and Johan M.K. Pennink (de Vries 1994), Oscar E. Meinzer (Meyer 1995), N.I. Tolstihin (Zaltsberg 1995), D. G. Limaye (Deolanker 1996), T.C. Chamberlin (Back 1996), Samuel Mandel (Limaye 1997), and Konrad Keilhack (Loehnert 1997).

Comment and Reply. Four pairs of legacy Comment/Reply exchanges will be online. One pair deals with well hydraulics (Parsons 1992; Barker and Herbert 1992). A second pair deals with type-curve analysis for solute transport (Perrochet 1996; Guyonnet et al. 1996). Two more pairs provide some controversy and interesting exchanges regarding fundamental concepts of regional flow and hydraulic continuity (Laing 1996 and Tóth 1996; Mazor 1996 and Tóth 1996).

Publication notes and errata. Several of each of these article types will also be online. Publication Notes include four book reviews (Kreitler 1992; Howard 1992; Johnston 1996; Moore 1997). Errata include: Guyonnet et al. 1996; Ritzi et al. 1996; Dominic et al. 1996.

References

- Neuman SP, Campana ME (1998) Editorial: Tribute to Eugene S. Simpson. *Hydrogeol J* 6:1–2. doi:10.1007/s100400050128
- Voss CI (2011a) Editor’s message: Groundwater modeling fantasies —part 1, adrift in the details. *Hydrogeol J* 19:1281–1284. doi:10.1007/s10040-011-0789-z
- Voss CI (2011b) Editor’s message: Groundwater modeling fantasies —part 2, down to earth. *Hydrogeol J* 19:1455–1458. doi:10.1007/s10040-011-0790-6



<http://www.springer.com/journal/10040>

Hydrogeology Journal

Official Journal of the International Association of
Hydrogeologists

Executive Editor: Voss, C.I.

ISSN: 1431-2174 (print version)

ISSN: 1435-0157 (electronic version)

Journal no. 10040