

## Bibliography

- Abadie-Reynal, C., 2001 Zeugma, rapport préliminaire des campagnes de fouilles de 2000, *Anatolia Antiqua* 9: 243-305.
- Abadie-Reynal, C., Bucak, E. and Bulgan, F., 2000 Zeugma - moyenne vallée de l'Euphrate; rapport préliminaire de la campagne de fouilles de 1999, *Anatolia Antiqua* 8: 279-338.
- Abadie-Reynal, C., Desreumaux, A., Hesse, A., Leriche, P. and Laroche, M.-C., 1996 Mission archéologique de Zeugma, rapport sur la campagne de prospection 1995, *Anatolia Antiqua* 4: 311-324.
- Abadie-Reynal, C. and Ergeç, R., 1997 Mission de Zeugma-Moyenne vallée de l'Euphrate, *Anatolia Antiqua* 5: 349-370.
- Abadie-Reynal, C. and Ergeç, R., 1998 Zeugma-Moyenne vallée de l'Euphrate; rapport préliminaire de la campagne de fouilles de 1997, *Anatolia Antiqua* 6: 379-406.
- Abadie-Reynal, C., Ergeç, R. and Bucak, E., 1999 Zeugma - moyenne vallée de l'Euphrate: rapport préliminaire de la campagne de fouilles de 1998, *Anatolia Antiqua* 7: 311-366.
- Abel, F. M., 1932 Exploration du sud-est de la vallée du Jourdain, *Révue Biblique* 41: 77-88.
- Abel, F. M., 1933 *Géographie de la Palestine, Tome 1: géographie physique et historique*, Paris.
- Abu Raya, R., 1991 Jerusalem, Street of the Chain, *ESI* 10: 134-5.
- Abu Raya, R., 1994 Jerusalem, et-Tur, *ESI* 14: 91f.
- Abu Raya, R., 1998 Jerusalem, the Third Wall, *ESI* 18: 84-87.
- Abu Uqsa, H., 1996 Migdal, *ESI* 16: 34.
- Adams, R. M., 1965 *Land behind Baghdad: a history of settlement on the Diyala Plains*, Chicago; London.
- Adan, D., 1979 The 'Fountain of Siloam' and 'Solomon's Pool' in 1st-century CE Jerusalem, *IEJ* 29: 92-100.
- Aharoni, Y., 1962 *Excavations at Ramat Rahel 2: seasons 1959 and 1960*, Jerusalem.
- Aisenstein, B., 1947 The karez, an ancient system of artificial springs, *Journal of the Association of Engineers and Architects* 8(5).
- Al Muheisen, Z., 1990 Exemples d'installations hydrauliques et des techniques d'irrigation dans le domaine Nabatéen (Petra - Jordanie meridionale). In Geyer 1990, 507-513.
- Al Muheisen, Z. and Tarrier, D., 1995 La protection du site de Petra à l'époque nabatéenne. In Amr, K., Zayadine, F. and Zaghoul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 721-726.
- Al Muheisen, Z. and Tarrier, D., 1996 Menace des eaux et mesures préventives à Petra à l'époque nabatéenne, *Syria* 73: 197-204.
- Al Muheisen, Z. and Tarrier, D., 2001-2002 Water in the Nabataean period, *Aram* 13-14: 515-524.
- Alcock, S. E., 1997 Greece: a landscape of resistance? In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 103-116.
- Alcock, S. E., 1997 *The Early Roman Empire in the East*, Oxford.
- Alcock, S. E., 2000 Heroic myths, but not for our times. In Fentress, E. (ed.) *Romanization and the City: creation, transformations and failures*, Portsmouth, RI, 221-226.
- Alexandre, Y., 2003 Lubiye (West), *HA* 115, 24\*-25\*.
- Algaze, G., 1990 *Town and Country in South-Eastern Anatolia, vol. II: the stratigraphic sequence at Kurban Höyük*, Chicago.
- Algaze, G., Breuninger, R., Lightfoot, C. and Rosenberg, M., 1991 The Tigris-Euphrates archaeological project: a preliminary report of the 1989-1990 seasons, *Anatolica* 17: 175-240.
- Allaby, A. and Allaby, M., 1991 *The Concise Oxford Dictionary of Earth Sciences*, Oxford.
- Allara, A., 1988 Les maisons de Dura Europos. Les données du terrain, *Syria* 65: 323-342.
- Almagro, A., 1983 The survey of the Roman monuments of Amman by the Italian mission in 1930, *ADAJ* 27: 607-639.
- Amery, H. A. and Wolf, A. T., Eds. 2000 *Water in the Middle East: a geography of peace*, Austin, Texas.
- Amit, D., 1989-1990 Khirbet Dah-dah, *ESI* 9(2): 162f.
- Amit, D., 1994 What was the source of Herodion's water?, *Liber Annus* 44: 561-578.
- Amit, D., 2002a The aqueducts of Eleutheropolis (Beth Govrin). In Amit *et al.* 2002, 168-176.
- Amit, D., 2002b New data for dating the High-level aqueduct and the Wadi el-Biyar aqueduct and the Herodion aqueduct. In Amit *et al.* 2002, 253-266.

- Amit, D., 2002c The aqueducts to the fortress of Alexandrion. In Amit *et al.* 2002, 306-312.
- Amit, D., 2002d The aqueduct of the fortress of Dok (Dagon). In Amit *et al.* 2002, 330-335.
- Amit, D. and Eshel, H., 2002 The water-supply system of Horvat Kefira. In Amit *et al.* 2002, 417-422.
- Amit, D., Patrich, J. and Hirschfeld, Y., (eds) 2002 *The Aqueducts of Israel*, Portsmouth, RI.
- Amit, D., Wolff, S. and Gorzalezany, A., 1993 Jerusalem, the Third Wall (Area D), *ESI* 13: 80-83.
- Amit, D. and Zilberbod, I., 1998 Mazor - 1995, *ESI* 18: 63f.
- Amr, K., Al-Momani, A., Al-Nawafleh, N. and Al-Nawafleh, S., 2000 Summary results of the archaeological project at Khirbet an-Nawafila/Wadi Musa, *ADAJ* 44: 231-255.
- Amr, K., Al-Nawafleh, S. and Qrarhi, H., 1997 A preliminary note on the Wadi Musa salvage excavation 1996, *ADAJ* 41: 469-473.
- Andersen, F. G., Nielsen, I. and Holm-Nielsen, S., 1993 *Gadara: Umm Qes*, Wiesbaden.
- Anderson, E. W., 2000 *The Middle East: geography and geopolitics*, London and New York.
- Anderson, J., 1997 *Roman Architecture and Society*, London.
- André, J. 1981 *L'Alimentation et la cuisine à Rome*, Paris.
- Angert, A., 1994 Caesarea coast, *ESI* 14: 138f.
- Arden-Close, C. F., 1941 Sir Aurel Stein's explorations of the Roman frontiers in Iraq and Transjordan, *PEQ*: 18-21.
- Arnaud, P., Llopis, E. and Bonifay, M., 1996 Bey 027: rapport préliminaire, *BAAL* 1: 98-134.
- Artzy, M. and Schiøler, T., 1984-6 Daemingen ved kibbutzen Ma'agan Michael in Israel, *Klassisk arkeologiske studier* 56: 331-6.
- Arubas, B. and Goldfus, H., 1993 Jerusalem, Binyane Ha'umma (Sheikh Badr), *ESI* 13: 74-78.
- Aubert, C., 1996 Bey 002: rapport préliminaire, *BAAL* 1: 6-84.
- Avery-Peck, A. J., 1991 Shebiit. In *The Talmud of the Land of Israel: a preliminary translation and explanation*, Chicago, 5.
- Avigad, N., 1955 Excavations at Beth She'arim, 1954, preliminary report, *IEJ* 5: 205-239.
- Avigad, N., 1977 A building inscription of the Emperor Justinian and the Nea in Jerusalem, *IEJ* 27: 145-151.
- Avigad, N., 1983 *Discovering Jerusalem*, Nashville.
- Avitsur, S., 1960 On the history of the exploitation of water power in Eretz-Israel, *IEJ* 10: 37-45.
- Avitsur, S., 1993 Traditional water-raising devices and installations in the land of Israel. In Cheape. H. (ed.) *Tools and Traditions: studies in European ethnography presented to Alexander Fenton*, Edinburgh.
- Avi-Yonah, M., 1932 *Quarterly of the Department of Antiquities of Palestine* 2.
- Avi-Yonah, M., 1954 *The Madaba Mosaic Map*, Jerusalem.
- Avi-Yonah, M., 1963 The Bath of the Lepers at Scythopolis, *IEJ* 13: 325-326.
- Avner, G., 2001-2, Ancient water management in the southern Negev, *ARAM* 13-14, 403-421.
- Avni, G., 1988-9 En Sur aqueduct, *ESI* 7-8: 53-54.
- Ayalon, E., 1979 The jar installation of Khirbet Sabiya, *IEJ* 29: 175-181.
- Ayalon, E., 1999 Yavne-Yam, 'Persian wheel' (saqiya) well, *HA* 109: 72\*-73\*.
- Ayalon, E., Milo, U. and Ziona, N., 2000 Typology and chronology of water-wheel (saqiya) pottery pots from Israel (Methodological research on Roman period hydraulic techniques), *IEJ* 50(3-4): 216-226.
- Ayalon, E., Neidinger, W. and Matthews, E., 1989-1990 Horvat Migdal, *ESI* 9(2): 137f.
- Ayyash, E., 1999 Herziliyya B, *HA* 109: 48\*.
- Bachmann, W., Watzinger, C., Wiegand, T. and Wulzinger, K., 1921 *Petra*, Berlin; Leipzig.
- Badihi, R. and Boshnino, A., 1991 Baqa el-Gharbiya, *ESI* 10(2): 113.
- Bagatti, B., 1983 *Antichi villaggi cristiani di Giudea e Neghev*, Jerusalem.
- Bagg, A., 2002 Dealing with water rights in the ancient Near East. In Ohlig *et al.* 2002, 223-232.
- Baker, S. W., 1879 *Cyprus as I saw it in 1879*, London.
- Ball, W., 1986 Part B: the architecture. In Zayadine, F. (ed.) *Jerash Archaeological Project, 1981-1983*, Amman, 385-393.
- Ball, W., 2000 *Rome in the East: the transformation of an empire*, London and New York.
- Balty, J.-C., 1969 L'édifice dit 'au triclinos'. In Balty, J.-C. (ed.) *Apamée de Syrie: bilan des recherches archéologiques 1965-1968*, Brussels 105-117.
- Balty, J.-C., 1981 *Guide d'Apamée*, Brussels.
- Balty, J.-C., 1982 La maison 'à Consoles' d'Apamée, *AAAS* 32: 9-44.

- Balty, J.-C., 1983 Apamée (Qal'at el Mudiq, Hama): fouilles belges 1965-1983, *AAAS* 33(2): 259-272.
- Balty, J.-C., 1984 *Apamée de Syrie: bilan des recherches archéologiques, 1973-1979: aspects de l'architecture domestique d'Apamée: actes du colloque tenu à Bruxelles les 29, 30 et 31 mai 1980*, Brussels.
- Balty, J.-C., 1987 Problèmes de l'eau à Apamée de Syrie. In Louis, P. and Métral, J. (eds) *L'homme et l'eau en Méditerranée et au Proche Orient*, Lyon 9-24.
- Balty, J.-C., 1988 Apamea in Syria in the Second and Third Centuries AD, *JRS* 78: 91-104.
- Banning, E. B. and Fawcett, C., 1983 Main-land relationships in the ancient Wadi Ziq'lab: report of the 1981 survey, *ADAJ* 27: 291-309.
- Barag, D., 1964 An inscription from the High Level aqueduct of Caesarea- reconsidered, *IEJ* 14: 250-252.
- Barker, G. and Jones, B., 1982 *The UNESCO Libyan valleys survey 1979-1981: palaeoeconomy and environmental archaeology in the pre-desert*, London.
- Barker, G., Gilbertson, D. D., Jones B. and Mattingly, D. J., 1996 *Farming the desert: the UNESCO Libyan Valleys Archaeological Survey*, Paris, Tripoli, London.
- Barker, G. W., Adams, R., Creighton, O. H., Crook, D., Gilbertson D D, Grattan, J. P., Hunt, C. O., Mattingly, D. J., McLaren, S. J., Mohammed, H. A., Newson, P. A., Palmer, C., Pyatt, F. B., Reynolds, T. E. G. and Tomber, R., 1999 Environment and land use in the Wadi Faynan, southern Jordan: the third season of geoarchaeology and landscape archaeology (1998), *Levant* 31: 255-292.
- Barker, G. W., Adams, R., Creighton, O. H., Daly, P., Gilbertson D. D., Grattan, J. P., Hunt, C. O., Mattingly, D. J., McLaren, S. J., Newson, P. A., Palmer, C., Pyatt, F. B., Reynolds, T. E. G., Smith, H., Tomber, R. and Truscott, A. J., 2000 Archaeology and desertification in the Wadi Faynan: the fourth (1999) season of the Wadi Faynan landscape survey, *Levant* 32: 27-52.
- Barker, G. W., Adams, R., Creighton, O. H., Gilbertson D D, Grattan, J. P., Hunt, C. O., Mattingly, D. J., McLaren, S. J., Mohammed, H. A., Newson, P. A., Reynolds, T. E. G. and Thomas, D. C., 1998 Environment and land use in the Wadi Faynan, southern Jordan: the second season of geoarchaeology and landscape archaeology (1997), *Levant* 30: 5-26.
- Barker, G. W., Creighton, O. H., Gilbertson D D, Hunt, C. O., Mattingly, D. J., McLaren, S. J. and Thomas, D. C., 1997 The Wadi Faynan Project, southern Jordan: a preliminary report on geomorphology and landscape archaeology, *Levant* 29: 19-40.
- Bar-Nathan, R. and Mazor, G., 1992 City centre (south) and Tel Iztabba area: excavations of the Antiquities Authority expedition, *ESI* 11: 33-51.
- Baroja, J. C., 1954 Norias, azucas, acenas, *Revista de Dialectología y Tradiciones Populares* 10: 29-160.
- Barrett, J. C., 1997 Romanization: a critical comment. In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 51-66.
- Barrois, A.-G., 1937 Les installations hydrauliques de Megiddo, *Syria* 18: 237-244.
- Bartl, K. and Hauser, S. R., 1996 *Continuity and Change in Northern Mesopotamia from the Hellenistic to the Early Islamic Period: proceedings of a colloquium held at the Seminar für Vorderasiatische Altertumskunde, Freie Universität Berlin, 6th-9th April, 1994*, Berlin.
- Baruch, Y., 2002 Jerusalem, the Old City, *HA* 114: 75\*-76\*.
- Bashkin, N., 1993 Khirbet Ni'ana, *ESI* 13: 59-61.
- Baumgarten, Y., 1999 Tel Ashdod, *HA* 110: 66\*.
- Baumgarten, Y., 2002 The use of the water-pulley in Iron Age II water systems. In Ohlig *et al.* 2002, 233-238.
- Baur, P. V. C., Rostovtzeff, M. I. and Bellinger, A. R., (eds) 1929 *The Excavations at Dura-Europos: conducted by Yale University and the French Academy of Inscriptions and Letters: preliminary report of 1st-9th season of work*. New Haven and London.
- Bayliss, R., Crow, J. and Bono, P., 2001 The water supply of Constantinople, *Anatolian Archaeology* 7: 18-20.
- Beaumont, P., 1989 The qanat: a means of water provision from groundwater sources. In Beaumont, P., Bonine, M. and McLachlan, K. (eds) *Qanat, Kariz and Khattara: traditional water systems in the Middle East and North Africa*, London, 13-31.
- Beaumont, P., 2000 Conflict, co-existence and co-operation: a study of water use in the Jordan basin. In Amery, H. A. and Wolf, A. T. (eds) *Water in the Middle East: a geography of peace*, Austin, Texas, 19-44.

- Beaumont, P., Blake, H. G. and Wagstaff, J. M., 1998 *The Middle East: a geographical study*, London.
- Bedal, L.-A., 1999 A paradisos in Petra: new light on the 'lower market', *ADAJ* 43: 227-239.
- Bedal, L.-A., 2001 A pool complex in Petra's city center, *BASOR* 324 (Nov.): 23-41.
- Bedon, R., 1999 *Les aqueducs de la Gaule romaine et des régions voisines*, Limoges.
- Bell, G. L., 1911 *Amurath to Amurath*, London.
- Ben David, C., 2002 The aqueducts of Hippos-Susita. In Amit *et al.* 2002, 199-206.
- Ben-Ephraim, Y., 1999 Residential Area 6. In Dar, S. (ed.) *Sumaqa: a Roman and Byzantine Jewish village on Mount Carmel, Israel*, Oxford.
- Benoît, J., Fiches, J.-L., and Gazenbeek, M. 1994 Recherches le long de l'aqueduc de Nîmes dans la basse vallée de l'Alzon (Gard). In Favory, F. and Fiches, J.-L. (eds) *Les Campagnes de la France Méditerranéenne dans l'Antiquité et le Haut Moyen Age: études microrégionales*, Paris, 151-62.
- Berda, L., 2000 Rosh Ha'ayin survey, *HA* 111: 99\*.
- Berg, J. E., Sharon, I. and Zilberstein, B., 2002 Water supply, distribution and disposal in Roman Dor. In Amit *et al.* 2002, 155-167.
- Berger, A., 1982 *Das Bad in der byzantinischen Zeit*, Munich.
- Berlin, A. M., 1999 A review of The Roman Baths at Hammat Gader: final report by Y. Hirschfeld, *BASOR* 314 (May): 85-86.
- Bernhard, M.-L., 1969 Fouilles polonaises à Palmyre 1967, *AAAS* 19: 71-75.
- Berthier, S., 1990 Recherche en cours sur les aménagements hydro-agricoles dans la vallée de l'Euphrate à l'époque islamique. In Geyer 1990, 229-238.
- Bikai, P. M., 1996 The Ridge Church at Petra, *ADAJ* 40: 481-486.
- Bildirici, M., 2002 Historical dams of Anatolia (Turkey). In Ohlig *et al.* 2002, 137-143.
- Billig, Y., 2002 The Low-Level Aqueduct to Jerusalem: recent discoveries. In Amit *et al.* 2002, 245-252.
- Bintliff, J. L., 1982 Palaeoclimatic modelling of environmental changes in the east Mediterranean region since the last glaciation. In Bintliff and Van Zeist 1982, 485-527.
- Bintliff, J. L. and Van Zeist, W., (eds) 1982 *Palaeoclimates, Palaeoenvironments and Human Communities in the Eastern Mediterranean Region in Later Prehistory*, Oxford.
- Biran, A., 1994 Tel Dan - 1992, *ESI* 14: 4-6.
- Biran, A., 1998 Tel Dan - 1995, *ESI* 18: 3-4.
- Birman, G. and Wienberger, D., 2001 Yaham, *HA* 113: 40\*-42\*.
- Bitti, M. C., 1986 The area of the temple stairway. In Zayadine, F. (ed.) *Jerash Archaeological Project, 1981-1983*, Amman, 189-192.
- Blackman, D. R. and Peleg, Y., 2001 Two sets of technical comments on P. Kessener, 'The aqueduct at Aspendos', *JRA* 14: 411-414.
- Blair, I., 2002 Roman London's waterworks: the Gresham Street discoveries, *Current Archaeology* 180 (July): 509-16.
- Blair, I. and Hall, J., 2003 *Working Water: Roman technology in action*, London.
- Bodon, G., Riera, I. and Zanovello, P., (eds) 1994 *Utilitas necessaria: Sistemi idraulichi nell'Italia romana*, Milan.
- Bone, S., 1926 A day among the ruins of the 5th-century churches near Antioch, *BASOR* 22 (April): 4-10.
- Bonine, M., 1989 Qanats, field systems and morphology: rectangularity on the Iranian plateau. In Beaumont, P., Bonine, M. and McLachlan, K. (eds) *Qanat, Kariz and Khattara: traditional water systems in the Middle East and North Africa*, London, 35-57.
- Boraas, R. S., 1971 A preliminary sounding at Rujm el-Malfuf, 1969, *ADAJ* 16: 31-45.
- Boserup, E., 1965 *The Conditions of Agricultural Growth*, Chicago.
- Bounni, A. and As'ad, K., 1989 *Palmyre: histoire, monuments et musée*, Damascus.
- Bouzek, J., 1996 Bey 026 sondage A, *BAAL* 1: 135-147.
- Bowman, S., 1990 *Radiocarbon Dating*, London.
- Braemer, F., 1984 Prospections archéologiques dans le Hawran (Syrie), *Syria* 61: 219-250.
- Braemer, F., 1990 Formes d'irrigation dans le Hawran (Syrie du sud). In Geyer 1990, 453-474.
- Briant, P., 2001a *Irrigation et drainage dans l'antiquité: qanats et canalisations souterraines en Iran, en Egypte et en Grèce: séminaire tenu au Collège de France*, Paris.
- Briant, P., 2001b Polybe X.28 et les qanats. Le témoignage et ses limites. In Briant 2001a, 15-40.
- Bridgeman, J., 1987 Purple dye in late Antiquity and Byzantium. In Herzog, I. Spanier, E. and Ron. M. (eds) *The royal purple and the Biblical blue: argaman and tekhelet: the study of chief Rabbi Dr. Isaac Herzog on the dye industries in ancient Israel and recent scientific contributions*, Jerusalem,

- 159-165.
- Brinker, W., 1991 Zur Wasserversorgung von Resafa-Sergiupolis, *Damaszener Mitteilungen* 5: 119-146.
- Brödner, E., 1983 *Die römischen Thermen und das antike Badewesen: eine kulturhistorische Betrachtung*, Darmstadt.
- Brossé, L., 1923 La digue du lac de Homs, *Syria* 4: 234-240.
- Brown, F. E., 1936a The Roman baths. In Rostovtzeff, M. I., Bellinger, A. R., Hopkins, C. and Welles, C. B. (eds) *The Excavations at Dura Europos: preliminary report of the sixth season of work October 1932 - March 1933*, New Haven, 84-105.
- Brown, F. E., 1936b Block F3. In Rostovtzeff, M. I., Bellinger, A. R., Hopkins, C. and Welles, C. B. (eds) *The Excavations at Dura Europos: preliminary report of the sixth season of work October 1932 - March 1933*, New Haven, 49-83.
- Brown, F. E., 1944 Houses and shops of the final period. In Rostovtzeff, M. I., Bellinger, A. R., Brown, F. E. and Welles, C. B. (eds) *The Excavations at Dura-Europos: preliminary report of the ninth season of work 1935-1936*, New Haven, 69-158.
- Browning, I., 1979 *Palmyra*, London.
- Browning, I., 1982 *Jerash and the Decapolis*, London.
- Brunnow, R. E. and Domaszewski, A. v., 1904 *Die Provincia Arabia: auf Grund zweier in den Jahren 1897 und 1898 unternommenen Reisen und der Berichte früherer Reisender*, Strassburg.
- Bruun, C., 2000 Water legislation in the ancient world c. 2200BC – c. AD 500. In Wikander 2000a, 539-604.
- Bruun, C., 2000 Water shortage and surplus in the ancient world. In Jansen 2000, 215-224.
- Bruun, C. and Saastamoinen, A. (eds) 2003 *Technology, Ideology, Water: from Frontinus to the Renaissance and beyond*, Rome.
- Bull, R. J., 1965 Appendix 4: Water sources in the vicinity. In Wright, G. E. (ed.) *Shechem: the biography of a biblical city*, London, 214-228.
- Bull, R. J. and Toombs, L. E., 1972 Caesarea, *IEJ* 22: 178-180.
- Burckhardt, J. L., 1822 *Travels in Syria and the Holy Land*, London.
- Burnand, Y., 1983 La documentation épigraphique sur les aqueducs de Gaule et de la Germanie romaines. In Boucher, J-P. (ed.) *Journées d'études sur les aqueducs romains*, Paris 51-73.
- Burnham, B., 1997 Roman mining at Dolaucothi: the implications of the 1991-3 excavations near the Carreg Pumsaint, *Britannia* 28: 325-26.
- Burrell, B., 1996 Palace to praetorium: the romanization of Caesarea. In Raban, A. and Holum K. G. (eds) *Caesarea Maritima, a retrospective after two millennia*, Leiden 228-247.
- Burton, R. F. and Drake, C. F. T., 1872 *Unexplored Syria: visits to the Libanus, the Tulul el Safa, the Anti-Libanus, the northern Libanus and the Alah*, London.
- Butcher, K., 2003 *Roman Syria and the Near East*, London.
- Butler, H. C. and Prentice, W. 1901 *Révue archéologique*, 39, 62-76.
- Butler, H. C., Littmann, E., Magie, D. and Stuart, D. R., 1907 *Syria: publications of the Princeton University Archaeological Expeditions to Syria in 1904-1905 and 1909*, Leiden.
- Callot, O., 1984 *Huileries Antiques de Syrie du Nord*, Paris.
- Calvet, Y., 1990 Un barrage antique à Ras Shamra. In Geyer 1990, 487-499.
- Calvet, Y. and Geyer, B., 1992a *Barrages antiques de Syrie*, Paris.
- Calvet, Y. and Geyer, B., 1992b La maîtrise de l'eau, *Archaeologia* 280: 42-49.
- Campbell, W. A., 1936 The third season of excavation at Antioch on the Orontes, *AJA* 40: 1-9.
- Carmi, I., Eldar-Nir, I., Nir, Y., Werker, E., Stager, L. E. and Johnson, B. L., 1994 The dating of ancient water-wells by archaeological and 14C (sic) methods: comparative study of ceramics and wood, *IEJ* 44: 184-200.
- Carton, L., 1896 Études sur les travaux hydrauliques des romains en Tunisie, *Revue Tunisie*, 3.12, 530-64.
- Ceçen, K., 1996 *The Longest Roman Water Supply Line*, Istanbul.
- Chambon, A., 1989-1990 Jerusalem: Notre Dame Monastery, *ESI* 9(2): 145-147.
- Chapman, R., 1992 A stone toilet seat found in Jerusalem in 1925, *PEQ* 124: 4-8.
- Chapot, V., 1902 Antiquités de la Syrie du Nord, *BCH* 26: 161-208.
- Chehab, M. H., 1957 Mosaiques du Liban, *BMB* 14: 8ff.
- Chehab, M. H., 1970 *Tyr: histoire, topographie, fouilles*, Beirut.
- Chen, D., 1982 Dating the cardo maximus in Jerusalem, *PEQ* 114: 43-45.
- Chesney, F. R. 1850 *The Expedition for the Survey of the Rivers Euphrates and Tigris Carried on by Order*

- of the British Government on the Years 1835, 1836 and 1837, London.
- Clamer, C., 1989 Ain ez-Zara excavations 1986, *ADAJ* 33: 217-225.
- Cohen, R., 1985 *Map of Sede-Boqer - West (167)*, Jerusalem.
- Cohen, R. and Israel, Y., 1995 En Hazeva - 1990-1994, *ESI* 15: 110-116.
- Coleman, K. M., 1993 Launching into history: aquatic displays in the early empire, *JRS* 83, 48-74.
- Colini, A. M., 1944 *Storia e topografia del Celio nell'antichità*, Bologna.
- Colledge, M. A. R., 1976 *The Art of Palmyra*, London.
- Colt, H. D., Hettich, E. L., Casson, L. and Kraemer, C. J., 1950 *Excavations at Nessana*, Princeton.
- Conder, C. R., 1883 *Heth and Moab: explorations in Syria in 1881 and 1882*, London.
- Conder, C. R. and Kitchener, H. H., 1881 *The Survey of Western Palastine: memoirs of the topography, orography, hydrography and archaeology. Volume I. Sheets I-VI. Galilee*, London.
- Conder, C. R. and Kitchener, H. H., 1882 *The Survey of Western Palestine: memoirs of the topography, orography, hydrography and archaeology. Volume II. Sheets VII-XVI. Samaria*, London.
- Conder, C. R. and Kitchener, H. H., 1883 *The Survey of Western Palestine: memoirs of the topography, orography, hydrography and archaeology. Volume III. Sheets XVII-XXVI. Judaea*, London.
- Corbier, M., 1984 De Volsinii à Sestinum: cura aquae et évergétisme municipale de l'eau en Italie, *Revue des Études Latines*, 62: 236-74.
- Corbier, M., 1991 City, territory and taxation. In Rich, J. and Wallace-Hadrill, A. (eds) *City and Country in the Ancient World*, London 211-39.
- Corbo, V., 1967 L'Herodium di Giabal Fureidis, *Liber Annus* 17: 5-121.
- Corbo, V., 1979 Macheronte: la reggia-fortezza erodiana, *Liber Annus* 29: 315-326.
- Corbo, V. and Loffreda, S., 1981 Nuove scoperte alla fortezza di Macheronte, *Liber Annus* 31: 257-286.
- Costa, P. M., 1983 Notes on traditional hydraulics and agriculture in Oman, *World Archaeology* 14, 273-295.
- Cotterell, B. and Kamminga, J., 1990 *Mechanics of Pre-Industrial Technology*, Cambridge.
- Craddock, P. T., 1994 *Early Metal Mining and Production*, Edinburgh
- Croft, P., 2003 The wells and other vestiges. In Peltenburg, E. (ed.) *The Colonisation and Settlement of Cyprus: investigations at Kissonerga-Mylothkia, 1976-1996*, Sweden 3-10.
- Croke, B. and Crow, J., 1983 Procopius and Dara, *JRS* 103: 143-159.
- Crouch, D. P., 1974 Use of aerial photography at Palmyra: a photo essay, *Berytus* 23: 71-80.
- Crouch, D. P., 1975 The water system of Palmyra, *Studia Palmyrenskie* 7: 151-186.
- Crouch, D. P., 1993 *Water Management in Greek Cities*, New York.
- Crowfoot, J. W., Kenyon, K. M. and Sukenik, E. L., 1942 *The Buildings at Samaria*, London.
- Crown, A. D., 1972 Towards a reconstruction of the climate of Palestine 8000 BC - 0 BC, *JNES* 31: 312-330.
- Curvers, H. H. and Stuart, B., 1996 Bey 008: the 1994 results, *BAAL* 1: 228-234.
- Curvers, H. H. and Stuart, B., 1998-1999 The BCD Archaeology Project 1996-1999, *BAAL* 3: 13-30.
- Dagan, Y., 1995 Horvat Raqiq, *ESI* 15: 103f.
- Dalley, S., 2001-2 Water management in Assyria from the ninth to seventh centuries BC, *Aram* 13-14: 443-460.
- Dalley, S. and Oleson, J.-P., 2003 Sennacherib, Archimedes, and the water screw: the context of invention in the Ancient World, *Technology and Culture* 44: 1-26.
- Dalman, G., 1932 *Arbeit und Sitte in Palastina: Die Ackerbau*, Gutersloh.
- Damati, E., 1972 Khirbet el-Mureq, *IEJ* 22: 173.
- Damati, E., 2002 The irrigation systems in the gardens of the Monastery of St Martyrius (Ma'ale Adummim). In Amit *et al.* 2002, 438-443.
- Danby, H., 1933 *The Mishnah*, Oxford.
- Dangin, F. and Dhorme, M., 1924 Cinq jours de fouilles à Ashara, *Syria* 5: 265-293.
- Dar, S. o., 1985 Khirbet Summaqa -1985, *ESI* 4: 104-107.
- Dar, S. o., 1986 Horvat Summaqa - 1986, *ESI* 5: 104-106.
- Dar, S. o., 1989-1990 Horvat Sumaq - 1988/1989, *ESI* 9(1): 25-27.
- Dar, S. o., 1999 *Sumaqa: a Roman and Byzantine Jewish village on Mount Carmel, Israel*, Oxford.
- Dar, S. o. and Applebaum, S., 1986 *Landscape and pattern: an archaeological survey of Samaria 800 B.C.E.-636 C.E.*, Oxford.
- Dar, S. o. and Siegelmann, A., 1994 Survey on Mount Carmel, *ESI* 14: 49f.
- Daszewski, W. A., 1972 Les fouilles polonaises à Palmyre en 1968 et 1969, *AAAS* 22: 129-150.

- Dauphin, C., 1984a Golan Survey 1983, *ESI* 3: 35-6.
- Dauphin, C., 1984b Golan Survey, 1983, *IEJ* 34: 268-9.
- Dauphin, C., 1984c Dor, Byzantine Church, 1983, *IEJ* 34: 271-274.
- Dauphin, C., 1986 Golan Survey, 1985, *IEJ* 36: 273-275.
- Dauphin, C., 1989-1990 Golan Survey - 1988, *ESI* 9(1): 6f.
- Dauphin, C., 1996 Brothels, baths and babes: prostitution in the Byzantine Holy Land, *Classics Ireland* 3: 47-72.
- Dauphin, C. and Gibson, S., 1991 Golan Survey, 1988, *IEJ* 41: 176-179.
- Dauphin, C. and Gibson, S., 1992-3 Ancient settlements in their landscapes: the results of ten years of survey on the Golan Heights (1978-1988), *Bulletin of the Anglo-Israel Archeological Society* 12: 7-31.
- Dauphin, C. and Schonfield, J. J., 1983 Settlements of the Roman and Byzantine periods on the Golan Heights: preliminary report on three seasons of survey (1979-1981), *IEJ* 33: 189-206.
- Davie, M. F., Makaroun, Y. and Nordiguian, L., 1997 Les qanater Zubayde et l'alimentation en eau de Beyrouthe et de ses environs à l'époque romaine, *BAAL* 2: 262-289.
- Davis, F. 1896 Note on a Roman force pump found at Bolsena, *Archaeologia* 5, 256-7.
- De Haan, N., 2001 *Si aquae copia patiatur*: Pompeian private baths and the use of water. In Koloski-Ostrow 2001, 41-49.
- De Haan, N. and Jansen, G. C. M. (eds) 1996 *Cura Aquarum in Campania: proceedings of the ninth international congress on the history of water management and hydraulic engineering in the Mediterranean region, Pompeii, 1-8 October 1994*, Leiden.
- De Jaeger, C., De Dapper, M., De Vliegheer, B.-M., Goosens, R., Risak, S., Ozer, A., Closson, D. and Homes-Fredericq, D., 2000 Geoarchaeological mapping using very high resolution and stereoscopic satellite imagery (Russian TK-350) integrated in a GIS. A case study for the Wadi Mujib area near Lahun (Jordan). In Vermeulen, M. (ed.) *Geoarchaeology of the Landscapes of Classical Antiquity*, Leiden, 7-13.
- De Vaux, R., 1959 Fouilles de Feshka: rapport préliminaire, *Révue Biblique* 66: 225-255.
- De Vaux, R., 1960 Excavations at Ain Feshka, *ADAJ* 4/5: 7-11.
- De Vaux, R., 1973 *Archaeology and the Dead Sea Scrolls*, London.
- De Vaux, R., 1978 *The Early History of Israel*, London.
- De Vigneral, C., 1868 *Ruines romaines de l'Algérie. Kabylie du Djurdjura*, Paris.
- De Vogüé, M., 1865 *Syrie centrale, architecture civile*, Paris.
- De Vries, B., 1981 The Umm el-Jimal Project, 1972-1977, *BASOR* 244 (Dec.): 53-72.
- De Vries, B., 1982 The Umm el-Jimal Project 1972-1977, *ADAJ* 26: 97-116.
- De Vries, B., 1987 The el-Lejjun water system. In Parker, S. T. (ed.) *The Roman Frontier in Central Jordan*, Oxford.
- De Vries, B., 1989 A water tunnel at Muqibleh. In Thompson, H. O. (ed.) *Archaeology in Jordan*, New York 203-206.
- De Vries, B., 1993 The Umm el-Jimal Project, 1981-1992, *ADAJ* 37: 433-460.
- De Vries, B. and Betlyon, J., 1998 *Umm el-Jimal: a frontier town and its landscape in northern Jordan*, Portsmouth, RI.
- Dechent, H., 1884 Heilbäder und Badeleben in Palästina, *ZDPV* 7.
- Decker, M., 2001 Agricultural production and trade in Oriens 4th - 7th centuries AD, University of Oxford, unpublished D Phil. thesis.
- DeLaine, J., 1988 Recent research on Roman baths, *JRA* 1: 11-32.
- DeLaine, J. 1992 New models, old modes: continuity and change in the design of public baths. In Schalles, H.-J., van Hesberg, H. and Zanker, P. (eds) *Die römische Stadt im 2 Jh. N. Chr. Kolloquium Xanten 1990*, Köln, 257-275.
- DeLaine, J. and Johnston, D. E., 1999 *Roman Baths and Bathing: proceedings of the First International Conference on Roman Baths held at Bath, England, 30 March-4 April 1992*, Portsmouth, R.I.
- Delpech, A., 1997 *Les norias de l'Oronte: analyse technologique d'un élément du patrimoine syrien*, Damas.
- Detweiler, A. H., 1952 The palace of the Dux Ripae: the site and the building. In Rostovtzeff, M. I., Bellinger, A. R., Brown, F. E. and Welles, C. B. (eds) *The Excavations at Dura Europos: preliminary report of the ninth season of work 1935-1936*, New Haven, 1-26.
- Dever, W. G., 1969 Water systems of Hazor and Gezer, *The Biblical Archaeologist* 32: 71-78.

- Di Segni, L., 2002 The water supply of Roman and Byzantine Palestine in literary and epigraphical sources. In Amit *et al.* 2002, 37-67.
- Diez, F., 1995 Jerusalem, Church of St Peter in Gallicantu, *ESI* 15: 77.
- Dillemann, L., 1962 *Haute Mésopotamie orientale et pays adjacents: contribution à la géographie historique de la région, du Ve s. avant l'ère chrétienne au VIe s. de cette ère*, Paris.
- Dodge, H., 1990 *The Architectural Impact of Rome in the East*, Oxford.
- Donner, H., 1963 Kallirhoe - das Sanatorium Herodes des Grossen, *ZDPV* 79: 59-89.
- Doughty, C. M., 1979 *Travels in Arabia Deserta*, New York.
- Doumet-Serhal, C., 1998-1999 First season of excavation at Sidon: preliminary report, *BAAL* 3: 181-224.
- Downey, G., 1938 Greek and Latin inscriptions. In Stillwell, R. (ed.) *Antioch on the Orontes II: the excavations, 1933-1936*, Princeton.
- Downey, G., 1951 The water supply of Antioch on the Orontes in antiquity, *AAAS* 1: 171-187.
- Downey, G., 1961 *A History of Antioch in Syria: from Seleucus to the Arab conquest*, Princeton.
- Downey, S., 2000 Dura Europos and the transformation of the Seleucid city. In Fentress, E. (ed.) *Romanization and the City: creation, transformations and failures*, Portsmouth, RI, 154-172.
- Dulière, C., 1974 *Mosaïques des portiques de la grande colonnade: section VII, 16-17*, Bruxelles.
- Dunand, M., 1930 Kanata et KANATHA, *Syria* 11: 272-279.
- Dunand, M., 1967 Rapport préliminaire sur les fouilles de Sidon en 1964-1965, *BMB* 20: 27-44.
- Dunbabin, K., 1989 *Baiarum grata voluptas: pleasures and dangers of the baths*, *PBSR* 57: 1-46.
- Dupré, I., Raventos, X. and Remola Vallverdu, J. A., 2000 *Sordes urbis: la eliminacion de residuos en la ciudad romana: actas de la Reunion de Roma (15-16 de Noviembre de 1996)*, Roma.
- Durand, J.-M., 1990 Problèmes d'eau et d'irrigation au royaume de Mari: l'apport des texts anciens. In Geyer 1990, 101-142.
- Dussaud, R., 1921-1922 La digue du lac de Homs et le 'mur égyptien' de Strabon, *Monuments et Mémoires Piot* 25: 133-141.
- Dussaud, R., 1927 *Topographie historique de la Syrie antique et médiévale*, Paris.
- Dvorjetski, E., 1999 Social and cultural aspects of medicinal baths in Israel according to Rabbinic sources. In DeLaine and Johnston 1999, 117-129.
- Dvorjetski, E., 2001-2 Thermo-mineral waters in the eastern Mediterranean basin: historical, archaeological and medicinal aspects, *ARAM* 13-14, 487-514.
- Eadie, J. W., 1984 Humayma 1983: regional survey, *ADAJ* 28: 212-224.
- Eadie, J. W. and Oleson, J.-P., 1986 The water supply of Nabataean and Roman Humayma, *BASOR* 262: 49-76.
- Early, R. and Humphrey, J. H., 2003 *Zeugma: interim reports, rescue excavations (Packard Humanities Institute), Inscription of Antiochus I, bronze statue of Mars, house and mosaic of the the Synōsai, and recent work on the Roman army at Zeugma*, Portsmouth, R.I.
- Eck, W., 1987 Die Wasserversorgung im römischen Reich: Sozio-politische Bedingungen, Recht und Administration, *Die Wasserversorgung antiker Städte* 2: 51-88.
- Edelstein, G., 1986 En Ya'el, *ESI* 5: 30-33.
- Edelstein, G., 1988-1989 En Ya'el - 1987, *ESI* 7-8: 54-57.
- Edelstein, G., 1990 What's a Roman villa doing outside Jerusalem?, *Biblical Archaeology Review* 16(6): 32-44.
- Edwards, C. and Woolf, G., 2003 *Rome the Cosmopolis*, Cambridge.
- Edwards, P.C., Bourke, S. J., DaCosta, K. A., Tidmarsh, J.C., Walmsley, A. G. and Watson, P. M., 1990 Preliminary report on the University of Sidney's tenth season of excavations at Pella (Tabaqat Fahl) in 1988 *ADAJ* 34, 57-93.
- Ein Gedy, M., 2002 Ashqelon, El-Jura, *HA* 114: 90\*.
- Eitram, S., 1915 *Opferritus und Voropfer der Griechen und Römer*, Kristiana.
- Elderkin, G. W. and Stillwell, R., 1934 *Antioch-on-the-Orontes*, Princeton.
- Ellis, S. P., 1997 Pooling resources - the use of water for social control in the Roman Empire. In Meadows K. L. and Heron, J. (eds) *TRAC* 96, Oxford.
- Ellis, S. P., 2004 The seedier side of Antioch. In Sandwell, I. and Huskinson, J. (eds) *Culture and Society in Later Roman Antioch*, Oxford, 126-133.
- Ergec, R., 1998 Rescue excavations by the Gaziantep Museum (1992-1994). In Kennedy, D. L. (ed.) *The Twin Towns of Zeugma on the Euphrates: rescue work and historical studies*, Portsmouth, RI, 80-91.



- Eschebach, H., 1979 Die Gebrauchswasserversorgung des antiken Pompeji, *Antike Welt* 13.3, 21-6.
- Eshel, H. and Erlich, Z. H., 2002 The water system in the fortress of Kh. Urmeh-Aqrabah in E. Samaria. In Amit *et al.* 2002, 423-426.
- Etienne, R., 1954 Maisons et hydraulique dans le quartier nord-est à Volubilis, *Pub. Serv. Ant. Maroc* 10: 25-211.
- Evans, A., 1921 *The Palace of Minos. A comparative account of the successive stages of the early Cretan civilization as illustrated by discoveries at Knossos*, London.
- Evenari, M., Shanan, L. and Tadmor, N., 1982 *The Negev: the challenge of a desert*, Cambridge, MA and London.
- Everman, D., 1992 Survey of the area north of Caesarea and of the aqueducts: preliminary report. In Vann R. L. (ed.) *Caesarea Papers: Straton's Tower, Herod's Harbour, and Roman and Byzantine Caesarea including the papers given at a symposium held at the University of Maryland, the Smithsonian Institution, and the Jewish Community Center of Greater Washington*, Ann Arbor, MI, 181-193.
- Fagan, G. G., 1999 *Bathing in Public in the Roman World*, Ann Arbor.
- Fagan, G. G., 2000 Hygienic conditions in Roman public baths. In Jansen 2000, 281-288.
- Fahd, T., 1971 Un traité des eaux dans al-Filaha an-Nabatiyya: hydrogéologie, hydraulique, agricole, hydrologie. In de Lincei, A. N. (ed.) *La Persia Nel Medioevo*, Rome 277-327.
- Fahlbusch, H., 1982 *Vergleich antiker griechischer und römischer Wasserversorgungsanlagen*, Braunschweig.
- Fahlbusch, H., 1991 Maintenance problems in ancient aqueducts. In Hodge 1991, 7-14.
- Fahlbusch, H., 2002 Die Wasserversorgung des antiken Beth She'an. In Ohlig *et al.* 2002, 55-63.
- Fahlbusch, H. and Rottgardt, B., 1996 Neue Ergebnisse aus der hydraulischen Untersuchung des Wasserversorgungssystems des antike Susita (Israel). In De Haan and Jansen 1996, 159-167.
- Feissel, D., 1985 Deux listes de quartiers d'Antioche astreints au creusement d'un canal: AD 73-74, *Syria* 62: 77-103.
- Fentress, E., 1979 *Numidia and the Roman Army: social, military and economic aspects of the frontier zone*, Oxford.
- Fentress, E., 2000 Introduction: Cosa and the idea of the city. In Fentress, E. (ed.) *Romanization and the City: creation, transformations and failures*, Portsmouth, Rhode Island, 9-24.
- Février, P-A., 1982 Urbanisation et urbanisme de l'Afrique romaine, *Aufstieg und Niedergang der römischen Welt* 2.10.2, Principat: 321-96.
- Février, P-A., 1983 Armée et aqueducs. In Boucher, J.-P. (ed.) *Journées d'études sur les aqueducs romains*, Paris 133-40.
- Finkbeiner, U. and Sader, H., 1997 Bey 020: preliminary report of the excavations 1995, *BAAL* 2: 114-166.
- Finkelstein, I., 1995 *Living on the Fringe: the archaeology of the Negev, Sinai and neighbouring regions in the Bronze and Iron Ages*, Sheffield.
- Finley, M. I., 1965 Technical innovation and economic progress in the ancient world, *Economic History Review* 18, 29-45.
- Finley, M. I., 1999 *The Ancient Economy*, California.
- Fischer, M. L., 1985 Khirbet Zikhrin - 1984/5, *ESI* 4: 117-119.
- Fischer, M. L., 1993 Horvat Zikrin - 1987/1989, *ESI* 12: 40-45.
- Fischer, M. L. and Shacham, T., 2002 The water systems of the En Boqeq oasis. In Amit *et al.* 2002, 402-408.
- Fisher, C. S., 1930 Yale University - Jerusalem School expedition at Jerash: first campaign, *BASOR* 40 (Dec.): 2-11.
- Fisher, C. S., 1932 Excavations at Jerash, 1931, *BASOR* 45 (Feb.): 3-20.
- Fisher, C. S., 1934 The baths. In Elderkin, G. W. and Stillwell, R. (eds) *Antioch-on-the-Orontes*, Princeton, 4-31.
- Fisher, C. S., 1938a Description of the site. In Kraeling, C. H. (ed.) *Gerasa of the Decapolis*, New Haven 21-22.
- Fisher, C. S., 1938b The Baths of Placcus. In Kraeling, C. H. (ed.) *Gerasa of the Decapolis*, New Haven 265-269.
- Fisher, W. B., 1971 *The Middle East: a physical, social and regional geography*, London.
- Fitzpatrick, A. P., 2002 Roman Britain in 2001: Greater London, *Britannia* 33: 326-40.
- Flinder, A., 1976 A piscina at Caesarea: a preliminary survey, *IEJ* 26: 77-80.

- Foerster, G., 1970 *Herodium Revue Biblique* 77: 400-1.
- Foerster, G. and Tsafrir, Y., 1986-7 Nysa-Scythopolis - a new inscription and the titles of the city on its coins, *Israel Numismatic Journal* 9: 53.
- Foerster, G. and Tsafrir, Y., 1988-1989 Beat Shean project - 1988: Hebrew University Expedition, *ESI* 7-8: 15-22.
- Foerster, G. and Tsafrir, Y., 1992 City Centre (North): excavations of the Hebrew University Expedition, *ESI* 11: 3-32.
- Fontana, M. V., 1986 Archaeological research in the Sanctuary of Artemis: the intermediate terrace. In Zayadine, F. (ed.) *Jerash Archaeological Project 1981-1983*, Amman, 180-183.
- Forbes, R. J., 1964 *Studies in Ancient Technology* vol. I, Leiden.
- Foss, C., 1995 The Near Eastern countryside in late antiquity: a review article. In Humphrey, J. H. (ed.) *The Roman and Byzantine Near East: some recent archaeological research*, Ann Arbor, 213-234.
- Frankel, R., 2002 The Hellenistic aqueduct of Akko-Ptolemais. In Amit *et al.* 2002, 82-87.
- Frankel, R., Gitzov, N. and Sion, D., 2002 Ancient, medieval and modern aqueducts in western Galilee. In Amit *et al.* 2002, 450-459.
- Freis, H., 1984 *Historische Inschriften zur römischen Kaiserzeit*, Darmstadt.
- Freeman, P. W. M., 1997 Mommsen through to Haverfield: the origins of Romanization studies in late 19th-century Britain. In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 27-50.
- Freyne, S., 2004 Dionysos and Herakles in Galilee: the Sepphoris mosaic in context. In Edwards, D. R. (ed.) *Religion and Society in Roman Palestine. Old questions, new approaches*, London/New York, 56-69.
- Frontinus-Gesellschaft., 1988 *Die Wasserversorgung antiker Städte: Mensch und Wasser, Mitteleuropa, Thermen, Bau/Materialien, Hygiene*, Mainz am Rhein.
- Frösen, J., Fiema, Z. T., Haggren, H., Koistinen, K., Lavento, M. and Peterman, G. L., 1998 The Finnish Jabal Harun project: report on the 1997 season, *ADAJ* 42: 483-502.
- Frösen, J., Fiema, Z. T., Lavento, M., Koistinen, K. and Holmgren, R., 1999 The 1998 Finnish Jabal Harun project: a preliminary report, *ADAJ* 43: 369-410.
- Frumkin, A., 2002a The hydrogeology of Israel and the problem of water supply in antiquity. In Amit *et al.* 2002, 21-24.
- Frumkin, A., 2002b The water-supply network of Samaria-Sebaste. In Amit *et al.* 2002, 267-277.
- Frye, R. N., 1983 The political history of Iran under the Sasanians. In Yarshater, E. (ed.) *The Cambridge History of Iran*, Cambridge, 3(2) 116-180.
- Fuller, M. J., (ed.) 1986 *Abila Reports*. St Louis.
- Furlan, I., 1995 Cisterne a Dara. In Iacobini, A. and Zanini, E. (eds) *Arte profana e arte scara a Bisanzio Roma*, Argos, 51-65.
- Gagos, T. and Frösen, J., 1998 Petra papyri, *ADAJ* 42: 473-481.
- Gal, Z., 1991 *Map of Gazit (19-22)*, Jerusalem.
- Galor, K., 2002 Qumran's plastered installations: cisterns or immersion pools? In Ohlig *et al.* 2002, 33-46.
- Ganor, A. and Cahaty, R., 2003 Horbat Kosit, *HA* 115.
- Garbrecht, G., (ed.) 1987 *Historische Talsperren*, Stuttgart.
- Garbrecht, G., (ed.) 1991a *Historische Talsperren 2*, Stuttgart.
- Garbrecht, G., 1991b Talsperre und Tunnel am Hafen Seleukeia. In Garbrecht 1991a, 83-89.
- Garbrecht, G., 1991c Der Staudamm von Resafa-Sergiopolis. In Garbrecht 1991a, 238-248.
- Garbrecht, G. and Holtorf, G., 1973 *Die wasserwirtschaftlichen Anlagen des antiken Pergamon*, Braunschweig.
- Garbrecht, G. and Vogel, A., 1991 Die Staumauern von Dara. In Garbrecht 1991a, 90-95.
- Garbrecht, G. and Peleg, Y., 1994 The water supply of the desert fortresses in the Jordan Valley, *Biblical Archaeologist* 57(3): 160-170.
- Gardiner, M. and McQuitty, A., 1987 A watermill in Wadi el-Arab, north Jordan and watermill development, *PEQ* 119: 24-32.
- Gatier, P. L., 1986 *Inscriptions de la Jordanie 2*, Paris.
- Gawlikowski, M., 1986 A residential area by the south decumanus. In Zayadine, F. (ed.) *Jerash Archaeological Project, 1981-1983*, Amman, 107-121.
- Gazenbeek, M., 2000 Interaction entre aqueduc et habitat rural: deux cas d'étude en France méditerranéenne: Nîmes et Arles. In Jansen 2000, 225-230.

- Gazit, D., 1996 *Map of Urim*, Jerusalem.
- Geraty, L. T., 1975 The 1974 season of excavations at Tell Hesban, *ADAJ* 20: 47-56.
- Getzov, N., 1993 Horvat Uza, *ESI* 13(100): 19-21.
- Geyer, B., 1990 *Techniques et Pratiques Hydro-agricoles Traditionnelles en Domaine Irrigue. Approche pluridisciplinaire des modes de culture avant la motorisation en Syrie: actes du colloque de Damas 27 Juin - 1 Juillet 1987*, Paris.
- Geyer, B., 2000 Des fermes byzantines et palais ommeyyades. In Nordiguian, L. and Salles, J.-F. (eds) *Aux Origines d'Archéologie Aérienne*, Beirut 109-22.
- Gibson, S., 1991 The Sataf project of landscape archaeology and the Judean hills: a preliminary report on four seasons of survey and excavation (1987-1989), *Levant* 23: 23-54.
- Gibson, S. and Edelstein, G., 1985 Investigating Jerusalem's rural landscape, *Levant* 17: 139-155.
- Gichon, M., 1979 The Roman bath at Emmaus: recent excavations in 1977, *IEJ* 29: 101-110.
- Gichon, M., 1993 *En Boqeq: Ausgrabung in einer Oase am Toten Meer. Geographie und Geschichte der Oase des Spätromisch-Byzantische Kastell*, Mainz.
- Gilbertson, D. D. and Hunt, C. O., 1996 Romano-Libyan agriculture: walls and floodwater farming. In Barker 196, 191-227.
- Gilbertson, D. D. and Kennedy, D. L., 1984 An archaeological reconnaissance of water harvesting structures and wadi walls in the Jordanian desert, north of Azraq oasis, *ADAJ* 28: 151-162.
- Ginzburg, A., 2000 Yafo, 3022 Street, *HA* 111: 42\*.
- Girard, F., Roumi, M. and Robine, G., 1990 Les norias hydrauliques du Moyen-Oronte, patrimoine syrien: étude d'une technologie en voie de disparition. In Geyer 1990, 367-382.
- Glaser, F., 2000 Fountains and nymphaea. In Wikander 2000, 413-451.
- Glick, T. and Guichond, P., 1998 Irrigation and hydraulic technology: medieval Spain and its legacy, *Technology and Culture* 39(3).
- Glick, T. F., 1970 *Irrigation and Society in Medieval Valencia*, Cambridge.
- Glueck, N., 1933-34 Explorations in Eastern Palestine I, *Annual of the American Schools of Oriental Research* 14: 1-114.
- Glueck, N., 1934 Jerash in the spring of 1934: preliminary report of the Joint Expedition of the School of Jerusalem and Yale University, *BASOR* 53(Feb.): 2-13.
- Glueck, N., 1935 *Explorations in Eastern Palestine II*, New Haven.
- Glueck, N., 1937-1939 *Explorations in Eastern Palestine III*, New Haven.
- Glueck, N., 1944 Wadi Sirhan in north Arabia, *BASOR* 96(Dec.): 7-17.
- Glueck, N., 1946 *The River Jordan: being an illustrated account of earth's most storied river*, London.
- Glueck, N., 1951 *Explorations in Eastern Palestine IV*, New Haven.
- Glueck, N., 1959 *Rivers in the Desert: the exploration of the Negev, an adventure in archaeology*, London.
- Glueck, N., 1970 *The Other Side of the Jordan*, Cambridge, MA.
- Goblot, H., 1979 *Les Qanats: une technique d'aquisition de l'eau*, Paris.
- Golani, A., 1989-1990 Golan, survey of central area, *ESI* 9(1): 7f.
- Goldberg, P. and Bar-Yosef, O., 1982 Environmental changes and archaeological evidence for climatic change in the southern Levant. In Bintliff and Van Zeist 1982, 399-414.
- Gosden, C., 2004 *Archaeology and Colonialism: cultural contact from 5000 BC to the present*, Cambridge.
- Gough, M., 1954 Anazarbus, *Anatolian Studies*: 85-150.
- Green, J. and Tsafir, Y., 1982 Greek inscriptions from Hammat Gader: a poem by the Empress Eudocia and two building inscriptions, *IEJ* 32: 77-96.
- Greene, J. A., 1995 The watermills of the Ajlun-Kufrunja valley: the relationship of technology, society and settlement. In Amr, K. Zayadine, F. and Zaghoul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 757-765.
- Gsell, S., 1901 *Les monuments antiques de l'Algérie*, 2 vols, Paris.
- Gsell, S., 1902 *Enquête Administrative sur les Travaux Hydrauliques Anciens en Algérie*, Paris.
- Gsell, S., 1911 *Atlas archéologique de l'Algérie*, Algiers, Paris.
- Guinee, R. L. J. J., Mulder, N. F. and Vriezen, K. J. H., 1996 The facade of the vaulted rooms along the so-called cardo in Umm Qeys (ancient Gadara), area III: architectural design and reconstruction, *ADAJ* 40: 207-215.
- Guz-Zilberstein, B., 1995 The typology of the Hellenistic coarseware and selected loci of the Hellenistic and Roman periods. In Stern, E. (ed.) *Excavations at Dor, Final Report. Areas A and C: the finds*, Jerusalem, 289-433.

- Gysens, J. C., 2002 Preliminary report on the first survey campaign at ancient Ar-Rabba (Rabbathmoab/Aeropolis), *ADAJ* 46: 493-498.
- Gysens, J. C. and al-Khraysheh, F., 1995 Preliminary report of reconnaissance survey in the region of Wadi Bayir, *ADAJ* 39: 355-364.
- Haberey, W., 1971 *Die römische Wasserleitungen nach Köln*, Düsseldorf.
- Haddad, E. and Velednizki, N., 2003 Gelilot, *HA* 115: 37\*-38\*.
- Hadidi, A., 1974 The excavation of the Roman Forum at Amman (Philadelphia), 1964-1967, *ADAJ* 19: 71-91.
- Haiman, M., 1986 *Map of Har Hamran - Southwest (198)*, Jerusalem.
- Haiman, M., 1991 *Map of Mizpe Ramon - Southwest (200)*, Jerusalem.
- Haiman, M., 1993 *Map of Har Harman - Southeast (199)*, Jerusalem.
- Haj Ibrahim, M., 1990 Les techniques de captage et de conduite de l'eau aux fins d'irrigation et les modes de culture irriguée dans les ghoutas de l'Ouadi el Majarr (Kalamoun - nord): l'exemple de Deir-Atieh. In Geyer 1990, 295-312.
- Hamburger, H., 1959 A new inscription from the Caesarea aqueduct, *IEJ* 9: 188-190.
- Hamilton, R. W., 1952 Jerusalem in the 4th century, *PEQ* 84: 83-90.
- Hamilton, R. W. and Grabar, O., 1959 *Khirbat al Maffar: an Arabian mansion in the Jordan Valley*, Oxford
- Hammond, P. C., 1964 The excavation of the main theatre, Petra, 1961-1962, *ADAJ* 8/9: 81-85.
- Hammond, P. C., 1973 *The Nabataeans - their history, culture and archaeology*, Gothenburg.
- Hanin, N., 1985 Wadi el-Ein, Byzantine monastery, *ESI* 4: 109f.
- Hanson, W. S., 1997 Forces of change and methods of control. In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 67-80.
- Harding, G. L., 1949 Recent work on the Jerash forum, *PEQ* 81: 12-20.
- Harding, G. L., 1958 Recent discoveries in Jordan, *PEQ* 90: 7-18.
- Harding, G. L., 1967 *The Antiquities of Jordan*, London.
- Harper, R. P., 1974 Excavations at Dibsī Faraj, northern Syria, *AAAS* 24: 25-29.
- Harper, R. P., 1974 Second preliminary report on excavations at Dibsī Faraj, *AAAS* 24: 31-37.
- Harper, R. P., 1980 Neocaesarea - Qasrin - Dibsī Faraj. In Margueron, J. C. (ed.) *Le Moyen Euphrate: Actes du colloque de Strasbourg 10-12 mars 1977*, Strasbourg 327-348.
- Harper, R. P. and Wilkinson, T., 1975 Excavations at Dibsī Faraj, northern Syria 1972-1974: a preliminary note on the site and its monuments, *Dumbarton Oaks Papers* 29: 319-338.
- Hartal, M., 1993 Baniās aqueduct, *ESI* 13: 1f.
- Hartal, M., 1996 Baniās, the aqueduct, *ESI* 16: 5-7.
- Hartal, M., 2002 The aqueduct to Baniās. In Amit *et al.* 2002, 88-103.
- Hartal, M. and Ma'oz, Z., 1985 Baniās, *ESI* 4: 7-9.
- Healy, J. F., 1978 *Mining and Metallurgy in the Greek and Roman World*, London.
- Hedges, R. E. M., 1991 AMS dating: present status and potential applications. In Lowe, J. J. (ed.) *Radiocarbon Dating: recent applications and future potential: Quaternary proceedings 1*, Cambridge, 5-10.
- Hedges, R. E. M., 1992 Sample treatment strategies in radiocarbon dating. In Taylor, R. E., Long, A. and Kra, R. S. (eds) *Radiocarbon After Four Decades: an interdisciplinary perspective*, New York, 65-96.
- Hedges, R. E. M., Hously, R. A., Pettitt, P. B., Bronk Ramsey, C. and Van Klinken, G. J., 1996 Radiocarbon dates from the Oxford AMS system: Archaeometry datelist 21, *Archaeometry* 38(1): 181-207.
- Heichelheim, F. M., 1938 Roman Syria. In Frank, T. (ed.) *An Economic Survey of Ancient Rome*, Baltimore 123-257.
- Heimann, M., 1984 Qadesh Barne'a survey, *ESI* 3: 89-90.
- Heinz, W. H., 1983 *Römische Thermen: Badewesen und Badeluxus im Römischen Reich*, Munich.
- Hellenkemper, H. and Hild, F., 1986 *Neue Forschungen in Kilikien*, Vienna.
- Henig, M. and Whiting, M., 1987 *Engraved Gems from Gadara in Jordan: the Sa'd collection of intaglios and cameos*, Oxford.
- Henry, D. O., 1992 The impact of radiocarbon dating on Near Eastern Prehistory. In Taylor, R. E., Long, A. and Kra, R. S. (eds) *Radiocarbon After Four Decades: an interdisciplinary perspective*, New

- York, 324-334.
- Herbert, S., 1982 Tel Anafa 1981, *IEJ* 32: 59-61.
- Herbert, S., 1994 *Tel Anafa I: final report on ten years of excavation at a Hellenistic and Roman settlement in northern Israel*, Ann Arbor.
- Herr, L. G., 1997 *Madaba Plains Project: the 1989 season at Tell el-°Umeiri and vicinity and subsequent studies*, Berrien Springs, MI.
- Herz, N. and Garrison, E. G., 1998 *Geological Methods for Archaeology*, New York and Oxford.
- Herzog, I., 1987 Hebrew Porphyrology. In Herzog, I., Spanier, E. and Ron, M. (eds) *The Royal Purple and the Biblical Blue: argaman and tekhelet: the study of chief Rabbi Dr. Isaac Herzog on the dye industries in ancient Israel and recent scientific contributions*, Jerusalem.
- Herzog, I., Spanier, E. and Ron, M., 1987 *The royal purple and the Biblical blue: argaman and tekhelet: the study of chief Rabbi Dr. Isaac Herzog on the dye industries in ancient Israel and recent scientific contributions*, Jerusalem.
- Hidiroglu, P., 2000 L'eau et les bains à Qoumran, *Revue des études juives* 159: 19-47.
- Hild, F. and Hellenkemper, H., 1990 *Kilikien und Isaurien*, Wien.
- Hill, D., 1996 Engineering. In Rashed, R. (ed.) *Encyclopedia of the History of Arab Science*, London, 751-795.
- Hirschfeld, Y., 1975 A hydraulic installation in the water-supply system of Emmaus-Nicopolis, *IEJ* 28: 86-92.
- Hirschfeld, Y., 1978 A hydraulic installation in the water-supply of Emmaus-Nicopolis, *IEJ* 28: 86-92.
- Hirschfeld, Y., 1984 Monastery of St Euthymius, survey and excavations, *ESI* 3: 80-86.
- Hirschfeld, Y., 1988-1989a Judean desert and Samaria, survey of the monasteries - 1987, *ESI* 7-8: 95-104.
- Hirschfeld, Y., 1988-1989b El Qasr, monastery, *ESI* 7-8: 149-150.
- Hirschfeld, Y., 1989-1990a Judean Desert, Jericho Basin, Samaria: survey of monasteries - 1987 (Part II), *ESI* 9(1): 46-51.
- Hirschfeld, Y., 1989-1990b Khirbet Deir er-Ruhban, *ESI* 9(1): 59-61.
- Hirschfeld, Y., 1992 *The Judean Desert Monasteries in the Byzantine Period*, New Haven; London.
- Hirschfeld, Y., 1994 Tiberias, Mt Berenice - 1992, *ESI* 14: 33-38.
- Hirschfeld, Y., 1996 Tiberias, *ESI* 16: 35-42.
- Hirschfeld, Y., 1997 *The Roman Baths of Hammat Gader: final report*, Jerusalem.
- Hirschfeld, Y., 2000 *Ramat Hanadiv Excavations: final report of the 1984-1998 seasons*, Jerusalem.
- Hirschfeld, Y., 2002a The aqueducts of Emmaus-Nicopolis. In Amit *et al.* 2002, 187-198.
- Hirschfeld, Y., 2002b The aqueducts at Ramat Hanadiv and Shuni. In Amit *et al.* 2002, 387-400.
- Hirschfeld, Y., 2002c The water supply of the Monastery of Chariton. In Amit *et al.* 2002, 428-437.
- Hirschfeld, Y., 2004 A climatic change in the early Byzantine period? Some archaeological evidence, *PEQ* 136(2): 133-149.
- Hirschfeld, Y., Barkay, R., Ben-Arieh, R. and Calderon, R., 1999 *The Early Byzantine Monastery at Khirbet ed-Deir in the Judean Desert: the excavations in 1981-1987*, Jerusalem.
- Hirschfeld, Y. and Birger, R., 1985 En Sur, *ESI* 4: 97.
- Hirschfeld, Y. and Birger, R., 1991 Early Roman and Byzantine estates near Caesarea, *IEJ* 41: 81-111.
- Hirschfeld, Y. and Solar, G., 1981 The Roman thermae at Hammat Gader: preliminary report of three seasons of excavations, *IEJ* 31: 197-219.
- Hitchner, R., 1995 Irrigation, terraces, dams and aqueducts in the region of Cillium (mod. Kasserine). The role of water works in the development of a Roman-African town and its countryside. In Troussset, P. (ed.) *Productions et exportations africaines: actualités archéologiques en Afrique du Nord antique et médiévale*, Aix-en-Provence, 143-157.
- Hitti, P. K., 1916 The origins of the Islamic state, *Economics and Public Law* 68: 165-351.
- Hodge, A. T. (ed.) 1991 *Future Currents in Aqueduct Studies*, Leeds.
- Hodge, A. T., 1992 *Roman Aqueducts and Water Supply*, London.
- Hodge, A. T., 1996 Anomalies in the flow at the Pompeii castellum. In De Haan and Jansen 1996, 13-18.
- Hodge, A. T., 2000a Wells. In Wikander 2000a, 29-33.
- Hodge, A. T., 2000b Aqueducts. In Wikander 2000a, 39-65.
- Hodge, A. T., 2000c Reservoirs and dams. In Wikander 2000a, 331-339.
- Holmgren, R. and Kaliff, A., 1997 The 1995-1996 excavation of Dayr el-Qattar al-Byzanti: a preliminary report, *ADAJ* 41: 321-340.
- Holm-Nielsen, S., Nielsen, I. and Andersen, F. G., 1986 The excavation of Byzantine baths in Umm Qeis,

- ADAJ 30: 219-232.
- Holum, K. G., 1988 *King Herod's dream: Caesarea on the sea*, New York; London.
- Honari, M., 1989 Qanats and human ecosystems in Iran. In Beaumont, P., Bonine, M. and McLachlan, K. (eds) *Qanat, Kariz and Khattara: traditional water systems in the Middle East and North Africa*, London, 61-85.
- Honigmann, E., 1923 *Historische Topographie von Nordsyrien im Altertum*, Leipzig.
- Hope, V. M. and Marshall, E., 2000 *Death and Disease in the Ancient City*, London.
- Hopkins, C., 1934 Private houses. In Rostovtzeff, M. I. (ed.) *Excavations at Dura Europos: preliminary report of the fifth season of work*, New Haven, 31-72.
- Hopkins, C., 1936 House in Block E4. In Rostovtzeff, M. I., Bellinger, A. R., Hopkins, C. and Welles, C. B. (eds) *The Excavations at Dura Europos: preliminary report of the sixth season of work October 1932 - March 1933*, New Haven.
- Horn, S. H., 1972 The 1972 season of excavations at Tell Hasban, *ADAJ* 17: 15-22.
- Horsfield, G., 1926 *Jerash - annual report of works of conservation 1925-1926*, Government of Trans-Jordan Antiquities Bulletin 2.
- Horton, F. L., 1996 A sixth-century bath in Caesarea's suburbs and the transformation of bathing culture in late antiquity. In Raban, A. and Holum, K. G. (eds) *Caesarea Maritima, a retrospective after two millennia*, Leiden 177-189.
- Hoss, S., 2005 *Baths and Bathing: the culture of bathing and the baths and thermae in Palestine from the Hasmoneans to the Moslem conquest; with an appendix on Jewish ritual baths (miqva'ot)*, Oxford.
- Hoyland, R. G., 2001 *Arabia and the Arabs: from the Bronze Age to the coming of Islam*, London; New York.
- Hunt, C. O., Mattingly, D. J., Gilbertson, D. D., Dore, J. N., Barker, G. W., Burns, J. R. and Van der Veen, M., 1986 ULVS XIII: interdisciplinary approaches to ancient farming in the Wadi Mansur, Tripolitania, *Libyan Studies* 17: 7-47.
- Ilan, Z., 2002 The medieval aqueduct to Kefar Hanania and associated installations. In Amit *et al.* 2002, 445-449.
- Ilan, Z. and Amit, D., 2002 The aqueduct of Qumran. In Amit *et al.* 2002, 380-386.
- Iliffé, J. H., 1944 A building inscription from the Syrian limes, *QDAP* 10, 62-4.
- Ionides, M. G., 1937 *The Regime of the Rivers Euphrates and Tigris*, London.
- Ionides, M. G. and Blake, G. S., 1939 *Report on the Water Resources of Trans-Jordan and their Development*, London.
- Irby, C. L. and Mangles, J., 1845 *Travels in Egypt and Nubia, Syria, and the Holy Land: including a journey round the Dead Sea, and through the country east of the Jordan*, London.
- Irshai, O., 2002 Terms and characteristics of water installations and aqueducts in Rabbinical sources. In Amit *et al.* 2002, 68-80.
- Israel, Y., 1993 Ashqelon, *ESI* 13: 100-105.
- Jackson, R., 1999 Spas, water and hydrotherapy in the Roman world. In DeLaine and Johnston 1999, 107-116.
- Jacobs, L. K., 1983 Survey of the south ridge of the Wadi Isal, 1981, *ADAJ* 27: 245-274.
- Jacobsen, T. and Lloyd, S., 1935 *Sennacherib's Aqueduct at Jerwan*, Oriental Institute Publications 24.
- Jalabert, L. and Mouterde, R., 1950 *Region de l'Amanus. Antioche: nos 699-988*, Paris.
- Jalabert, L. and Mouterde, R., 1955 *Laodicée. Apamene, nos 1243-1997: chronologie des inscriptions datées des tomes 1-4*, Paris.
- Jalabert, L., Mouterde, R. and Mondesert, C., 1959 *Emesène*, Paris.
- Jamil, N., 1999 Caliph and Qutb. Poetry as a source for interpreting the transformation of the Byzantine cross on steps on Ummayyad coinage. In Johns, J. (ed.) *Bayt al-Maqdis: Jerusalem and early Islam*, Oxford, 11-58.
- Jansen, G. C. M. (ed.) 2000a *Cura Aquarum in Sicilia: proceedings of the tenth international congress on the history of water management and hydraulic engineering in the Mediterranean region*, Leiden.
- Jansen, G. C. M., 2000b Urban water transport and distribution. In Wikander 2000, 103-125.
- Jansen, G. C. M., 2000c Studying Roman hygiene: the battle between the optimists and the pessimists. In Jansen 2000a, 275-280.
- Jansen, G. C. M., 2001 Water pipe systems in the houses of Pompeii. In Koloski-Ostrow 2001, 27-40.
- Jashemski, W. F., 1996 The use of water in Pompeian gardens. In De Haan and Jansen 1996, 51-58.
- Jaussen, A. J. and Sauvignac, M. R., 1909 *Mission archéologique en Arabie: texte et atlas*, Paris.

- Jaussen, A. J. and Sauvignac, M. R., 1922 *Mission archéologique en Arabie*, Paris.
- Johnson, A. C., Coleman-Norton, P.R. and Bourne, F. C., 1961 *Ancient Roman Statutes*, Austin.
- Johnson, B. L., 1988 The pottery. In Weinberg, G. D. (ed.) *Excavations at Jalame*, Columbia, 137-226.
- Johnson, D. J., Janetski, J., Chazan, M., Witcher, S. and Meadow, R., 1999 Preliminary report on Brigham Young University's first season of excavation and survey at Wadi al-Mataha, Petra, Jordan, *ADAJ* 43: 249-260.
- Jones, A. H. M., 1964 *The Later Roman Empire 284-602 AD: a social, economic and administrative survey*, Oxford.
- Jones, A. H. M. and Avi-Yonah, M., 1971 *The Cities of the Eastern Roman Provinces*, Oxford.
- Jones, G. D. B., 1962 Capena and the Ager Capenas, *Papers of the British School at Rome* 30: 116-207.
- Jones, G. D. B., 1997 From Brittunculi to Wounded Knee: a study in the development of ideas. In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 185-200.
- Jones, R. and Robinson, D., 2005 Water, wealth and social status at Pompeii: the House of the Vestals in the first century, *AJA* 109, 695-710.
- Joukowsky, M. S., 1994 1993 archaeological excavations and survey of the Southern Temple at Petra, Jordan, *ADAJ* 38: 293-332.
- Joukowsky, M. S., 1996 The 1995 archaeological excavation of the Southern Temple at Petra, Jordan, *ADAJ* 40: 177-206.
- Joukowsky, M. S., 2002 The Brown University 2001 Petra Great Temple excavations offer more surprises, *ADAJ* 46: 279-293.
- Joukowsky, M. S. and Schluntz, E., 1995 The 1994 archaeological excavations and survey of the Southern Temple at Petra, Jordan, *ADAJ* 39: 241-266.
- Kaimio, M. and Koenen, L., 1997 Reports on the decipherment of Petra Papyri (1996/1997), *ADAJ* 41: 459-462.
- Kalayan, H., 1981 Restoration and clearance in and around the Temple of Artemis compound in Jerash 1977-1979, *ADAJ* 25: 331-334.
- Kamash, Z., forthcoming Recent research on Roman dams in the Near East. In Wiplinger, G. (ed.) *Cura Aquarum in Ephesus (Proceedings of the 12<sup>th</sup> International Conference on the History of Water Management and Hydraulic Engineering, Ephesus, 2-10 October 2004)*.
- Kamel, M., 1990 L'importance structurale du qanaye et de la noria en Syrie. In Geyer 1990, 383-394.
- Karmon, N. and Spanier, E., 1987 Archaeological evidence of the purple dye industry from Israel. In Herzog *et al.* 1987, 147-158.
- Kastenbein, W., 1960 Untersuchungen am Stollen des Eupalinos auf Samos, *Archäologischer Anzeiger*, 178-198.
- Katz, O., 1999 Laqiya - Nahal Rosh area survey, *ESI* 19: 87\*-88\*.
- Kedar, Y., 1957 Ancient agriculture at Shivtah in the Negev, *IEJ* 7: 178-189.
- Kennedy, D. L., 1998 *The Twin Towns of Zeugma on the Euphrates: rescue work and historical studies*, Portsmouth, RI.
- Kennedy, D. L. and Bewley, R., 2004 *Ancient Jordan from the Air*, London.
- Kennedy, D. L., Riley, D. N. and Stein, A., 1982 *Archaeological Explorations on the Roman Frontier in North-East Jordan: the Roman and Byzantine military installations and road network on the ground and from the air*, Oxford.
- Kerner, S., 1997 Umm Qays - Gadara: a preliminary report 1993-1995, *ADAJ* 41: 283-302.
- Kerner, S. and Hoffmann, A., 1993 Gadara - Umm Qeis: preliminary report on the 1991 and 1992 seasons, *ADAJ* 37: 359-384.
- Kessener, P., 2000 The aqueduct at Aspendos and its inverted siphon, *JRA* 13: 104-132.
- Khalaily, H. and Sagiv, N., 1995 Be'er Reseq, *ESI* 15: 93-4.
- Khalil, L. and Eichmann, R., 1999 Archaeological survey and excavation at Wadi al-Yutum and Tall al-Magass Area - Aqaba (Aseym): a preliminary report on the first season 1998, *ADAJ* 43: 501-539.
- Khanoussi, M., Kraus, Th., Rakob, F. and Vegas, M., 1994 *Simithus II: Der Tempelberg und das Römische Lager*, Mainz.
- Killick, A., 1987 *Udhruh: caravan city and desert oasis: a guide to Udhruh and its surroundings*, Romsey.
- King, G., 1982 Preliminary report on a survey of Byzantine and Islamic sites in Jordan 1980, *ADAJ* 26: 85-95.
- King, G., Lenzen, C. J. and Rollefson, G. O., 1983 Survey of Byzantine and Islamic sites in Jordan, second

- season report, 1981, *ADAJ* 27: 385-436.
- Kingsley, S. A., 2001 'Decline' in the ports of Palestine in late antiquity. In Lavan, L. (ed.) *Recent Research in Late Antique Urbanism*, Portsmouth, RI, 69-88.
- Kirk, G. E., 1938 Archaeological exploration in the southern desert, *PEQ* 70: 211-235.
- Kirkbride, A. S. and Harding, L., 1947 Hasma, *PEQ* 79: 7-26.
- Kirkbride, D., 1960 A short account of the excavations in Petra in 1955-1956, *ADAJ* 4/5: 117-122.
- Klengel, H., 1971 *Syria antiqua: vorislamische Denkmäler der Syrischen Arabischen Republik*, Leipzig.
- Kletter, R. a. R., Y., 1998 A Roman well at Khirbet Ibreiktas, *Atiquot* 35: 43-60.
- Kliot, N. N., 2000 A cooperative framework for sharing scarce water resources: Israel, Jordan and the Palestinian Authority. In Amery and Wolf 2000, 191-217.
- Kloner, A., 1973 Dams and reservoirs in the north-eastern mountains of the Negev, *Eretz-Israel* 11: 30\*, 248-275.
- Kloner, A., 1975 Ancient agriculture at Mamshit and the dating of the water diversion systems in the Negev, *Eretz-Israel* 12: 124\*; 167-170.
- Kloner, A. and Cohen, M., 1999 Bet Guvrin, Area 750, *ESI* 19: 78\*-79\*.
- Kobori, I., 1989 Comparative studies on the formation of qanat water system (sic) - Part 1, *Bulletin of the Institute of Social Sciences* 12(1): 1-40.
- Kobori, I., 1990 Les qanats en Syrie. In Geyer 1990, 321-328.
- Kobori, I. and Endo, K., 1980 *Qanawat Romani of Taibe Oasis*, Tokyo.
- Koder, J., 1997 Fresh vegetables for the capital. In Mango, C. and Dagron, G. (eds) *Constantinople and Its Hinterland*, Cambridge, 49-56.
- Kogan-Zehavi, E., 1999 A painted tomb of the Roman period at Migdal Ashqelon, *Atiquot* 37: 179-181.
- Köhler, J., 2002 Research on Roman thermo-mineral baths - from Italy to Israel. In Ohlig *et al.* 2002, 295-306.
- Kolb, B., Gorgerat, L. and Grawehr, M., 1999 Swiss-Liechtenstein excavations on Az-Zantur in Petra, 1998, *ADAJ* 43: 261-277.
- Kolb, B. and Keller, D., 2000 Swiss-Liechtenstein excavations at Az-Zantur/Petra: the tenth season, *ADAJ* 44: 355-372.
- Kolb, B. and Keller, D., 2002 Swiss-Liechtenstein excavation at Az-Zantur/Petra: the twelfth season, *ADAJ* 46: 279-293.
- Kolb, B. and Stucky, R. A., 1993 Preliminary report of the Swiss-Liechtenstein excavations at Ez-Zantur in Petra 1992: the 4th campaign, *ADAJ* 37: 417-425.
- Koloski-Ostrow, A. O., 1996 Finding social meaning in the public latrines of Pompeii. In De Haan and Jansen 1996, 79-86.
- Koloski-Ostrow, A. O., 2000 *Cacator cave malum*: the subject and object of Roman public latrines in Italy during the first centuries BC and AD. In Jansen 2000a, 289-296.
- Koloski-Ostrow, A. O., 2001 *Water Use and Hydraulics in the Roman City*, Dubuque, Iowa.
- Koloski-Ostrow, A. O., Crouch, D. P., De Haan, N., Bruun, C., Leigh, S. and Wilson, A. I., 2001 An epilogue: where to go from here? Future courses for water studies. In Koloski-Ostrow 2001, 97-104.
- Kopp, C. and Stève, A.-M., 1946 Le desert de Saint Jean près d'Hébron *Revue Biblique* 53, 559-75.
- Kraeling, C. H., 1938 *Gerasa, City of the Decapolis*, New Haven.
- Kraeling, C. H., 1956 *The Excavations at Dura-Europos. The Synagogue (Final Reports VIII.1)*, New Haven.
- Kraeling, C. H., 1962 *Ptolemais: City of the Libyan Pentapolis*, Chicago.
- Kraemer, C., 1958 *Excavations at Nessana*, Princeton, N J.
- Krencker, D. and Zschietzschmann, W., 1928 *Römische Tempel in Syrien*, Berlin.
- Krencker, D. M., Hussong, L. and Cèuppers, H., 1929 *Die Trierer Kaiserthermen*, Augsburg.
- Krug, A., 1985 *Heilkunst und Heilkult. Medizin in der Antike*, Munich.
- Lacoste, H., 1941 La VIIème campagne de fouilles à Apamée, *L'Antiquité Classique* 10: 115-121.
- Lambton, A. K. S., 1989 The origin, diffusion and functioning of the qanat. In Beaumont, P., Bonine, M. and McLachlan, K. (eds) *Qanat, Kariz and Khattara: traditional water systems in the Middle East and North Africa*, London, 5-12.
- Lamon, R. S., 1935 *The Megiddo Water System*, Chicago.
- Landels, J. G., 1981 *Engineering in the Ancient World*, Berkeley.
- Landry, P., 1990 Eaux souterraines et qanats d'après un livre arabe du XIe siècle. In Geyer 1990, 271-284.



- Lassøe, J. 1951 The irrigation system at ULHU 8<sup>th</sup> century BC, *Journal of Cuneiform Studies* 5, 21-32.
- Lassus, J., 1938 Une villa de plaisance à Yakto. In Stillwell, R. (ed.) *Antioch on the Orontes: the excavations 1933-36*, Princeton 95-147.
- Lassus, J., 1983 L'eau courante à Antioche. In Boucher, J.-P. (ed.) *Journées d'études sur les aqueducs romains*, Paris 207-229.
- Lassus, J. and Stillwell, R., 1972 *Les portiques d'Antioche*, Princeton, N. J..
- Lauffray, J., 1944-5 Forums et monuments de Béryte, *BMB* 7: 13-80.
- Lauffray, J., 1983 *Halabiyya-Zenobia: place forte du limes oriental et la haute-Mesopotamie au VI<sup>e</sup> siècle*, Paris.
- Lauffray, J., 1991 *Halabiyya-Zenobia: place forte du limes oriental et la haute-Mesopotamie au VI<sup>e</sup> siècle*, Paris.
- Lauffray, J. and Van Liere, W., 1954-5 Nouvelle prospection archéologique dans la Haute-Jezireh syrienne, *ADAJ* 4-5.
- Lavan, L. and Bowden, W., 2001 *Recent Research in Late-Antique Urbanism*, Portsmouth, RI.
- Lavento, M. and Huotari, M., 2002 A water management system around Jabal Harun, Petra - its design and significance. In Ohlig *et al.* 2002, 93-106.
- Le Bas, P. and Waddington, W. H., 1853 *Inscriptions grecques et latines recueillies en Grèce et en Asie Mineure*, Paris.
- Le Strange, G., 1890 *Palestine Under the Moslems: a description of Syria and the Holy Land from AD 650 to 1500*, tr. from the works of the Medieval Arab Geographers by G le Strange, London.
- Leblanc, J. and Poccardi, G., 1999 Étude de la permanence antiques de traces urbains et ruraux antiques à Antioche-sur-l'Oronte, *Syria* 76: 91-110.
- Lehmann, C. H. and Holum, K. G., 2000 *The Greek and Latin Inscriptions of Caesarea Maritima*, Boston, MA.
- Lender, Y., 1990 *Map of Har Nafhah (196)*, Jerusalem.
- Lenzen, C. J. and Knauf, E. A., 1987 Beit Ras/Capitolias - a preliminary evaluation of the archaeological and textual evidence, *Syria* 64: 21-46.
- Lenzen, C. J. and McQuitty, A., 1987 The site of Khirbet Salameh, *ADAJ* 31: 201-204.
- Leriche, P. and Al Mahmoud, A., 1992 Bilan des campagnes 1988-1990 à Doura Europos, *Syria* 69: 3-28.
- Bureau topographique des troupes francaises du Levant, 1939 *Palmyre SI*, Paris.
- Leveau, P., 1987 À quoi servaient les aqueducs romains?, *L'Histoire* 105 (November): 96-104.
- Leveau, P., 1991 Research on Roman aqueducts in the past ten years. In Hodge 1991, 149-162.
- Leveau, P., 1992 L'aqueduc de Nîmes et les aqueducs antiques. In Fabre, G., Fiches, J.-L., Paillet, J.-L. (eds) *L'Aqueduc de Nîmes et le Pont du Gard: archéologie, geosystème et histoire*, Nîmes, 223-250.
- Leveau, P. and Paillet, J.-L., 1976 *L'Alimentation en Eau de Césarée de Maurétanie et l'Aqueduc de Cherchel*, Paris.
- Levi, D., 1947 *Antioch Mosaic Pavements*, Princeton, London.
- Levine, L. I. and Netzer, E., 1986 Excavations at Caesarea Maritima 1975, 1976, 1979 – Final Report, *Qedem* 21.
- Levy, T., 1987 *Shiqmim I. Studies concerning Chalcolithic societies in the Northern Negev Desert, Israel (1982-1984)*, Oxford.
- Levy, Y., 1991 Gelilo (Kh. Jalil), *ESI* 10(2): 120f.
- Lewis, M., 1997 *Millstone and Hammer: the origins of water power*, Hull.
- Lewis, M., 1999 Vitruvius and Greek aqueducts, *PBSR* 67: 145-172.
- Lewis, M., 2000 Theoretical hydraulics, automata and water clocks. In Wikander 2000, 343-369.
- Liebeschuetz, J. H. W. G., 1972 *Antioch: city and imperial administration in the later Roman Empire*, Oxford.
- Liebeschuetz, J. H. W. G., 1992 The end of the ancient city. In Rich, J. (ed.), London and New York, 1-49.
- Lightfoot, D. R., 1996 Syrian qanat romani: history, ecology, abandonment, *Journal of Arid Environments* 33: 321-336.
- Lightfoot, D. R., 1997 Qanats in the Levant: hydraulic technology at the periphery of early empires, *Technology and Culture* 38(2): 432-451.
- Lightfoot, D. R., 2000 The origin and diffusion of qanats in Arabia: new evidence from the northern and southern peninsula, *The Geographical Journal* 166, 1-20.
- Limbrej, S., 1975 *Soil Science and Archaeology*, London, New York and San Fransisco.
- Lindner, M., 1982 An archaeological survey of the theatre mount and catchwater regulation system at

- Sabra, south of Petra, 1980, *ADAJ* 26: 231-242.
- Lindner, M., 1987 Nabataische Talsperren. In Garbrecht 1987, 147-174.
- Lindner, M., 2005 Water supply and water management at ancient Sabra, Jordan, *PEQ* 137: 33-52.
- Lindner, M., Hübner, U. and Hübl, J., 2000 Nabataean and Roman presence between Petra and Wadi Arabah survey expedition 1997/1998: Umm Ratam, *ADAJ* 44: 535-567.
- Lipkunsky, D., 1994 Tirat Hacarmel, *ESI* 14: 50-52.
- Loffreda, S., 1981 Preliminary report on the second season of excavations at Qal'at el Mishnaqa, Machaerus, *ADAJ* 25: 85-94.
- Loffreda, S. 1991 Le terme Erodiene di Macheronte, *Bibbia e Oriente* 128, 105-114.
- Lohmann, H., 1979 *Beobachtungen zum Stadtplan von Timgad, Wohnungsbau im Altertum. Bericht über ein Kolloquium veranstaltet vom Architektur-Referat des Deutschen Archäologischen Instituts in Berlin vom 21.11 bis 23.11 1978*, Berlin.
- Lombardi, L. and Coates-Stephens, R., 1996 Il ramo celimontano dell'acquedotto Felice, *Romana Gens. Bollettino dell'Associazione Archeologica Romana*, 85.3-4, 1-11.
- Luke, H. and Jardine, D. J., 1920 *The Handbook of Cyprus*, London.
- Lux, U., 1966 Der Mosaikfußboden eines spätantiken Bades in Umm Qes, *ZDPV* 82: 64-73.
- Macadam, H. I., 1983 Epigraphy and village life in southern Syria during the Roman and Byzantine periods *Berytus* 31: 103-115.
- Macalister, R. A. S., 1912 *Gezer I-III. The Excavations of Gezer, 1902-1909*, London.
- MacDonald, B., 1980 The Wadi el-Hasa survey 1979: a preliminary report, *ADAJ* 24: 169-183.
- Maeir, A., 1993 Jerusalem, Mamilla (2), *ESI* 12: 61-63.
- Magee, P., 1999 Settlement patterns, polities and regional complexity in the southeast Arabian Iron Age, *Paléorient* 24, 49-60.
- Magee, P., 2003 New chronometric data defining the Iron Age II period in southeastern Arabia, *Proceedings of the Seminar for Arabian Studies* 33, 1-10.
- Magee, P., 2005 The chronology and environmental background of Iron Age settlement in southeastern Iran and the question of the origin of the qanat irrigation system, *Iranica Antiqua* 40, 217-232.
- Maisler, B., Stekelis, M. and Avi-Yonah, M., 1952 The excavations at Beth Yerah (Khirbet el-Kerak) 1944-6, *IEJ* 2: 218-229.
- Manderscheid, H., 1988 *Bibliographie zum römischen Badewesen unter besonderer Berücksichtigung der öffentlichen Thermen*, Munich.
- Manderscheid, H., 2000 The water management of Greek and Roman baths. In Wikander 2000a, 467-538.
- Mango, C., 1974 *Architettura Bizantina*, Milan.
- Mango, C., 1995 The water supply. In Mango, C. and Dagron, G. (eds) *Constantinople and its Hinterland*, Cambridge 9-18.
- Mango, M., 1984 Artistic patronage in the Roman diocese of Oriens 313-641 AD, unpublished DPhil. thesis, University of Oxford.
- Mango, M., 2002 Fishing in the desert, *Palaeoslavica* 10(1): 323-330.
- Mango, M., Wilson, A. I., Decker, M., Mango, C., Pollard, N. and Salter, C., 2001 Oxford excavations at Andarin (Androna): September 1998, *AAAS* 44.
- Ma'oz, Z., 1993 Banias, Temple of Pan - 1991/1992, *ESI* 13: 2-7.
- Mare, W. H., 1984 The 1982 season at Abila of the Decapolis, *ADAJ* 28: 39-54.
- Mare, W. H., 1994 The 1992 season of excavation at Abila of the Decapolis, *ADAJ* 38: 359-378.
- Mare, W. H., 1995 The technology of the hydrological system at Abila of the Decapolis. In Amr, K. Zayadine, F. and Zaghoul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 727-736.
- Mare, W. H., 1996 The 1994 and 1995 seasons of excavation at Abila of the Decapolis, *ADAJ* 40: 259-269.
- Mare, W. H., 1997 The 1996 season of excavation at Abila of the Decapolis, *ADAJ* 41: 303-310.
- Mare, W. H., Fuller, M. J., Davis, J. J., Hummel, H. D., Grothe, J. F. and Fuller, N. B., 1985 The 1984 season at Abila of the Decapolis, *ADAJ* 29: 221-237.
- Mare, W. H., Lenzen, C. J., Fuller, M. J., Mare, M. A. and Terian, A., 1982 The Decapolis Survey Project: Abila, 1980 background and analytical description of Abila of the Decapolis, and the methodology used in the 1980 survey, *ADAJ* 26: 37-65.
- Margueron, J., Ed. 1980 *Le Moyen Euphrate: zone de contacts et d'échanges: actes du Colloque de Strasbourg, 10-12 mars 1977*, Leiden.
- Martens, F., forthcoming *The Urban Development of Sagalassos: building history and settlement pattern*,

Turnhout.

- Masterman, E. W. G., 1920 The water supply of Damascus, *Quarterly of the Department of Antiquities in Palestine* 52(4): 181-187.
- Matheson, S. B., 1992 The tenth season at Dura Europos 1936-1937, *Syria* 69: 121-140.
- Matsuoka, M., Izuma, S., Budiawan, T., Nakata, N. and Saeki, K. 1999 Mycobacterium leprae DNA in daily using water as a source of leprosy infection, *Indian Journal of Leprosy* 71.1: 61-7.
- Matthews, E., Neidinger, W. and Ayalon, E., 1990 Preliminary report on the excavations at Zur Natan, *Publication of the Texas Foundation for Archaeological and Historical Research* 21.
- Matthews, J. F., 1984 The tax law of Palmyra: evidence for economic history in a city of the Roman East, *JRS* 74: 157-180.
- Mattingly, D. J., 1997a Dialogues of power and experience in the Roman Empire. In Mattingly D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 7-26.
- Mattingly, D. J., 1997b Africa: a landscape of opportunity? In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 117-142.
- Mattingly, D. J., 2004 Being Roman: expressing identity in a provincial setting, *JRA* 17, 5-26.
- Mattingly, D. J. and Salmon, J., 2000 *Economies Beyond Agriculture in the Classical World*, London.
- Mattingly, G. L., Pace, J. H., Stephenson, R. A. and Wagnon, E. P., 1998 The water catchment system of Nakh, Jordan, *ADAJ* 42: 331-339.
- Mayence, F., 1933 La troisième campagne de fouilles à Apamée, *Bulletin des Musées royaux d'art et d'histoire* 5: 1-6.
- Mayerson, P., 1959 Ancient agricultural remains in the central Negeb: the teleilat el-anab, *BASOR* 153 (Feb.): 19-31.
- Mayerson, P., 1960a *The Ancient Agricultural Regime of Nessana and the Central Negeb*, London.
- Mayerson, P., 1960b The ancient agricultural remains of the central Negeb: methodology and dating criteria, *BASOR* 160 (Dec.): 27-37.
- Mayerson, P., 1983 The city of Elusa in the literary sources of the 4th-6th centuries, *IEJ* 33: 247-253.
- Mayerson, P., 1986 Choricius of Gaza on the water supply system of Caesarea, *IEJ* 36: 269-272.
- Mazar, A., 1973 Excavations at Tell Qasile 1971-2: preliminary report, *IEJ* 23: 65-71.
- Mazar, A., 1975 Excavations at Tell Qasile, 1973-1974: preliminary report, *IEJ* 25: 77-88.
- Mazar, A., 1994 Tel Beat Shean - 1992/1993, *ESI* 14: 56-60.
- Mazar, A., 2002a A survey of the aqueducts to Jerusalem. In Amit *et al.* 2002, 210-243.
- Mazar, A., 2002b Appendix: The aqueduct to Herodion. In Amit *et al.* 2002, 243-244.
- Mazar, B., 1975 *The Mountain of the Lord*, New York.
- Mazar, B. and Dunayevsky, I., 1964 En Gedi: third season of excavations: preliminary report, *IEJ* 14: 121-130.
- Mazloum, M., 1945 L'organisation hydraulique de deux oasis antiques: Qdeym et Amsareddi. In and Mouterde, R. and Poidebard, P. (eds) *Le Limes de Chalcis*, Paris 117-126.
- Mazloum, S., 1936 *L'ancienne canalisation d'eau d'Alep*, Damascus.
- Mazor, G., 1988-1989 Beat Shean project - 1988: Department of Antiquities expedition, *ESI* 7-8: 22-32.
- Mazor, G. and Bar-Nathan, R., 1998 The Bet Shean excavation project - 1992-1994: Antiquity Authority expedition, *ESI* 17: 5-36.
- McNicoll, A., 1982 *Pella in Jordan II*, Canberra.
- McQuitty, A., 1995 Watermills in Jordan: technology, typology, dating and development. In Amr, K., Zayadine, F. and Zaghloul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 745-751.
- Meghraoui, M., Gomez, F., Sbeinati, R., Van der Woerd, J., Mouty, M., Darkal, A. N., Radwan, Y., Layyous, I., Al Najjar, H., Darawcheh, R., Hijazi, F., Al Ghazzi, R. and Baranzagi, M., 2003 Evidence for 830 years of seismic quiescence from palaeoseismology, archaeoseismology and historical seismicity along the Dead Sea fault in Syria, *Earth and Planetary Science Letters* 6622: 1-18.
- Merrill, S., 1881 *East of the Jordan: a record of travel and observation in the countries of Moab, Gilead, and Bashan*, London.
- Meshel, Z., 1989 A fort at Yotvata from the time of Diocletian, *IEJ* 39, 228-238.
- Meshel, A. and Amit, D., 2002 The water-supply systems of Cyprus fortress. In Amit *et al.* 2002, 313-329.

- Meshel, A., Tsuk, T., Fahlbusch, H. and Peleg, Y., 1998 *The Water-Supply System of Susita*, Tel Aviv.
- Meshorer, Y., 1985 *Coins of Eretz-Israel and the Decapolis in the Roman Period*, Jerusalem.
- Métral, F., 1987 Périmètres irrigués d'état sur l'Euphrate syrien: modes de gestion et politique agricole. In Louis, P. and Métral, F. (eds) *L'homme et l'eau en méditerranée et au proche orient IV: l'eau dans l'agriculture*, Lyons, 111-145.
- Meyers, E. M., Meyers, C. L. and Hoglund, K. G., 1994 Sepphoris (Sippori) 1993, *IEJ* 44: 247-250.
- Meyers, E. M., Meyers, C. L. and Hoglund, K. G., 1997 Sepphoris (Sippori) 1996, *IEJ* 47: 264-268.
- Meyers, E. M., Meyers, C. L. and Netzer, E., 1985 Sepphoris (Sippori) 1985 I, *IEJ* 35: 295-297.
- Meyers, E. M., Meyers, C. L. and Netzer, E., 1986 Sippori - 1985, *ESI* 5: 101-104.
- Meyers, E. M., Netzer, E. and Meyers, C. L., 1987 Sepphoris (Sippori) 1986, I - Joint Sepphoris Project, *IEJ* 37: 275-278.
- Meyers, E. M., Netzer, E. and Meyers, C. L., 1988-1989 Sippori (Sepphoris) - 1987/1988, *ESI* 7-8: 169-173.
- Meyers, E. M., Netzer, E. and Meyers, C. L., 1990 Sepphoris (Sippori) 1987-1988, *IEJ* 40: 219-222.
- Meyza, H., 1985 Remarks on the western aqueduct of Palmyra, *Studia Palmyrenskie* 8: 27-33.
- Michalowski, K., 1960 Fouilles polonaises à Palmyre 1960, *AAAS* 10: 93-110.
- Michalowski, K., 1963 Fouilles polonaises à Palmyre 1962, *AAAS* 13: 79-96.
- Michalowski, K., 1964 Fouilles polonaises à Palmyre 1963, *AAAS* 14: 23-38.
- Michalowski, K., 1967 Rapport préliminaire de la septième campagne des fouilles polonaises à Palmyre en 1965, *AAAS* 17: 9-15.
- Michalowski, K. and Dziewanowski, A., 1970 *Palmyra*, London.
- Millar, F., 1990 The Roman *coloniae* of the Near East: a study of cultural relations. In Kajava, M. and Solin, H. (eds) *Roman Eastern Policy and Other Studies in Roman History*, Helsinki, 7-58.
- Millar, F., 1993 *The Roman Near East 31 BC - AD 337*, Cambridge, MA; London.
- Miller, R., 1980 Water use in Syria and Palestine from the Neolithic to the Bronze Age, *World Archaeology* 11.3, 331-341.
- Mirti, T. H., 1999 Performance characteristics of the shaduf: a manual water-lifting device, *Applied Engineering in Agriculture* 15(3): 225-231.
- Moore, F. M., 1950 Three canal projects, Roman and Byzantine, *AJA* 54: 97-111.
- Morandi, D. B. 1996 *Tra il fiume e la steppa: insediamento e uso del territorio nella bassa valle del fiume Habur in epoca neo-assira*, Padua.
- Mougdad, S. and Makowski, C., 1983 Nymphée de Bosra et ses abords: recherches archéologiques en 1979. Rapport préliminaire, *AAAS* 33(1): 35-46.
- Moussly, N., 1951 *Le Problème de l'Eau en Syrie*, Lyon.
- Mouterde, P. R., 1922 *Inscriptions grecques et latines*, Beirut.
- Mouterde, R. and Lauffray, J., 1952 *Beyrouth: ville romaine: histoire et monuments*, Beirut
- Mouterde, R. and Poidebard, A., (eds) 1945 *Le limes de Chalcis: organisation de la steppe en haute Syrie romaine*, Paris.
- Mukdad, K., 1989 L'approvisionnement hydrique de la ville de Bosra. In Campanati, R. F. (ed.) *La Siria Araba da Roma a Bisanzia*, Ravenna, 171-203.
- Muqaddasi, M. i. A., Collins, B. A. and Al-Tai, M. H., 1994 *The Best Divisions for Knowledge of the Regions: a translation of Ahsan al-taqasim fi ma'rifat al-aqalim*, Doha.
- Musil, A., 1907a *Arabia Petraea*, Wien.
- Musil, A., 1907b *Kusejr 'Amra*, Wien.
- Musil, A., 1927 *The middle Euphrates: a topographical itinerary*, New York,.
- Musil, A., 1928 *Palmyrena, a topographical itinerary*, New York.
- Nadelman, Y., 2000 Close-up of a 22 km long aqueduct: the Low Level Aqueduct at Ramot Rahel in Jerusalem. In Jansen 2000, 159-162.
- Nahshoni, P., Ustinova, Y. and Bar-Ziv, H., 1993 Beer Sheva, Nahal Koveshim, *ESI* 12: 94f.
- Nau, F., (ed. and trans.) 1907 Notice historique sur le monastère de Qartamain, *Actes du XIV congrès international des orientalistes*, 2, 1-75.
- Naval Intelligence Division. Geographical Section, 1920 *A Handbook of Syria: including Palestine*, London.
- Needham, J., 1962-1971 *Science and Civilisation in China*, vol. 4 part 2, Cambridge.
- Negev, A., 1964 The High Level Aqueduct at Caesarea, *Israel Exploration Journal* 14: 237-249.
- Negev, A., 1974 *The Nabatean potter's workshop at Oboda*, Bonn.

- Negev, A., 1988 *The Architecture of Mamfisis*, Jerusalem.
- Negev, N., 1993 Beer Sheva, University Campus, *ESI* 12: 95f.
- Negev, N., 1996 Nahal Hevron - dams, *ESI* 16: 128-131.
- Negev, N., 1999 Horbat Kohal, *ESI* 19: 88\*.
- Netzer, E., 1975 The Hasmonean and Herodian winter palaces at Jericho, *IEJ* 25: 89-100.
- Netzer, E., 1977 The Winter Palaces of the Judaeen kings at Jericho at the end of the Second Temple Period, *BASOR* 228: 1-13.
- Netzer, E., 1981 Herodium, *Qedem* 13: 47-49.
- Netzer, E., 1991 *Masada III: the Yigael Yadin excavations 1963-1965: final reports. The buildings, stratigraphy and architecture*, Jerusalem.
- Netzer, E., 1999 Herodian bath-houses. In DeLaine and Johnston 1999, 45-56.
- Netzer, E., 2001a *Hasmonean and Herodian Palaces at Jericho: final reports of the 1973-1987 excavations, volume 1*, Jerusalem.
- Netzer, E., 2001b *The Palaces of the Hasmoneans and Herod the Great*, Jerusalem.
- Netzer, E., 2002 The aqueducts and water supply of Masada. In Amit *et al.* 2002, 353-364.
- Netzer, E., 2004 *Hasmonean and Herodian Palaces at Jericho: final reports of the 1973-1987 excavations, volume 2*, Jerusalem.
- Netzer, E. and Ben Arieh, S., 1983 Remains of an *opus reticulatum* building in Jerusalem, *IEJ* 33: 163-175.
- Netzer, E. and Garbrecht, G., 2002 Water channels and a royal estate of the late Hellenistic period in Jericho's western plains. In Amit *et al.* 2002, 366-379.
- Netzer, E. and Weiss, Z., 1993 Zippori - 1990/1991, *ESI* 12: 13-15.
- Netzer, E. and Weiss, Z., 1993 Sepphoris (Sippori) 1991-2, *IEJ* 43: 190-196.
- Neubauer, A., 1868 *La géographie du Talmud*, Paris.
- Neudecker, R., 1994 *Die Pracht der Latrine: Zum Wandel öffentlicher Bedürfnisanstalten in der kaiserzeitlichen Stadt*, München.
- Newman, J., 1932 *The Agricultural Life of the Jews in Babylonia Between the Years 200 C.E. and 500 C.E.* London.
- Newson, P. A., 2002 Settlement, land use and water management systems in Roman Arabia: an integrated archaeological approach, University of Leicester, unpublished PhD thesis.
- Nielsen, I., 1993 *Thermae et Balnea: the architecture and cultural history of Roman public baths*, Aarhus.
- Nielsen, I., 1999 Early provincial baths and their relations to early Italic baths. In DeLaine and Johnston 1999 35-44.
- Nir, Y., 1985 The destruction of the Roman High Level Aqueduct and the Herodian Harbour at Caesarea. In Raban, A. (ed.) *Harbour Archaeology*, Oxford, 185-194.
- Northedge, A., Bennett, C. M. and Bowsher, J., 1992 *Studies on Roman and Islamic Amman: the excavations of Mrs C-M Bennett and other investigations*, Oxford.
- Oates, J., 1982 Archaeological evidence for settlement patterns in Mesopotamia and eastern Arabia in relation to possible environmental conditions. In Bintliff and Van Zeist 1982, 359-393.
- Obermeyer, J., 1929 *Die Landschaft Babylonien im Zeitalter des Talmuds und des Gaonats: Geographie und Geschichte nach talmudischen, arabischen und andern Quellen*, Frankfurt am Main.
- Ofer, A. and Porath, Y., 1986 En Gedi, *ESI* 5: 27-29.
- Ohlig, C., 1996 Ammerkungen zum Funktionsmodell des Castellum Aquae im antiken Pompeji. In De Haan and Jansen 1996, 19-28.
- Ohlig, C., 2001 *De Aquis Pompeiorum. Das Castellum Aquae in Pompeji: Herkunft, Zuleitung und Verteilung des Wassers*, Nijmegen.
- Ohlig, C., 2002 Vitruvs technisches Konzept zur Wasserversorgung einer Stadt und der Verteileranlage im antiken Pompeji. Ein Beitrag zur Entwicklungsgeschichte eines Faktoids. In Ohlig *et al.* 2002, 201-212.
- Ohlig, C., Peleg, Y. and Tsuk, T. (eds) 2002 *Cura Aquarum in Israel. Proceedings of the 11th international conference on the history of water management and hydraulic engineering in the Mediterranean region, Israel 7-12 May 2001*, Siegburg.
- Olami, Y. and Peleg, Y., 1977 The water supply of Caesarea Maritima, *IEJ* 27: 127-137.
- Oleson, J.-P., 1983 A Roman water-mill on the Crocodilion River near Caesarea, *ZDPV* 100: 137-152.
- Oleson, J.-P., 1984 *Greek and Roman Mechanical Water-Lifting Devices: the history of a technology*, Toronto.
- Oleson, J.-P., 1986 The Humayma hydraulic survey: preliminary report of the 1986 season, *ADAJ* 30: 253-

- 261.
- Oleson, J.-P., 1988 The Humayma Hydraulic Survey: preliminary report of the 1987 season, *ADAJ* 32: 157-170.
- Oleson, J.-P., 1988 Nabataean and Roman water use in Edom: the Humayma hydraulic survey, 1987, *Classical Views* 7: 117-129.
- Oleson, J.-P., 1990 The Humeima Hydraulic Survey: preliminary report of the 1989 season, *ADAJ* 34: 285-311.
- Oleson, J.-P., 1991 Aqueducts, cisterns and the strategy of water supply at Nabataean and Roman Auara. In Hodge 1991, 45-63.
- Oleson, J.-P., 1995 The origins and design of Nabataean water supply systems. In Amr, K., Zayadine, F. and Zaghoul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 707-719.
- Oleson, J.-P., 2000 Water-lifting. In Wikander 2000a.
- Oleson, J.-P., Amr, K., Foote, R., Logan, J., Reeves, M. B. and Schick, R., 1999 Preliminary report of the al-Humayma excavation project, 1995, 1996, 1998, *ADAJ* 43: 411-450.
- Oren, E. D., 1972 Jerusalem, the French Hill, *IEJ* 22: 172-3.
- Orssaud, D., 1991 Notice sur la céramique. In Lauffray 1991, 260-275.
- Ovadiéh, A., 1969 Excavations in the area of the ancient synagogue at Gaza: preliminary report, *IEJ* 19: 193-198.
- Paelumbo, G., Munzi, M., Collins, S., Hourani, F., Peruzzetto, A. and Wilson, M. D., 1996 The Wadi az-Zarqa/Wadi ad-Dulayl excavations and survey project: report on the October-November 1993 fieldwork season, *ADAJ* 40: 375-427.
- Palmer, E. H., 1871 *The Desert of the Exodus: journeys on foot in the wilderness of the forty years' wanderings, undertaken in connexion with the Ordnance Survey of Sinai and the Palestine Exploration Fund*, Cambridge.
- Paran, N. S., 1999 Beer Sheva, Ramot B, *HA* 110: 85\*.
- Parker, S. T., 1981 The central limes arabicus project: the 1980 campaign, *ADAJ* 25: 171-178.
- Parker, S. T., 1983 The central limes arabicus project: the 1982 campaign, *ADAJ* 27: 213-230.
- Parker, S. T., 1986 The limes arabicus project: the 1985 campaign, *ADAJ* 30: 233-252.
- Parker, S. T., 1990 The limes arabicus project: the 1989 campaign, *ADAJ* 34: 357-376.
- Parker, S. T., 2000 The Roman Aqaba project: the 1997 and 1998 campaigns, *ADAJ* 44: 373-394.
- Parrot, A., 1929 Les fouilles de Baalbek, deuxième campagne (9 juillet - 29 septembre 1928), *Syria* 10: 103-125.
- Partsch, J., 1922 *Palmyra: eine historische-klimatische Studie*, Leipzig.
- Pasquinucci, M. and Alessi, D., 1987 *Terme romane e vita quotidiana*, Modena.
- Pastor, J. 1997 *Land and Economy in Ancient Palestine*, London.
- Patrich, J., 2000 Review of Y Hirschfeld 'The Roman Baths of Hammat Gader: final report', *IEJ* 50.1-2: 134-139.
- Patrich, J., 2002 The aqueducts of Hyrcania-Kastellion. In Amit *et al.* 2002, 336-352.
- Patrich, J. and Amit, D., 2002 The aqueducts of Israel: an introduction. In Amit *et al.* 2002, 9-20.
- Payen, A. 1864 Notice adressé à M. le Général Desvaux sur les travaux hydrauliques anciens, dont il existe encore de nombreux vestiges dans la partie du Hodna, *RecConstantine* 8, 1-14.
- Peleg, M. and Reich, R., 1992 Excavations of a segment of the Byzantine city wall of Caesarea Maritima, *Atiquot* 21: 137-170.
- Peleg, Y., 1991a Ancient pipelines in Israel. In Hodge 1991, 129-141.
- Peleg, Y., 1991b Geschichtliche Staumauern im Negev. In Garbrecht 1991, 2 2.
- Peleg, Y., 2000 The characteristics of water distribution in Roman towns. In Jansen 2000, 241-246.
- Peleg, Y., 2001-2 The stone pipeline of Susita-Hippos, *Aram* 13-14: 423-441.
- Peleg, Y., 2002a The dams of Caesarea's Low-Level aqueduct. In Amit *et al.* 2002, 141-147.
- Peleg, Y., 2002b Two aqueducts to Dor. In Amit *et al.* 2002, 148-154.
- Pelletier, A., 1983 L'alimentation en eau à Vienne dans l'Antiquité. In Boucher, J-P. (ed.) *Journées d'études sur les aqueducs romains*, Paris 293-307.
- Pena, J. T., Rossiter, J. J. and Wilson, A., 1998 *Carthage Papers: the early colony's economy, water supply, a public bath, and the mobilization of state olive oil*, Portsmouth, R.I.
- Perkins, A. L., 1973 *The Art of Dura-Europos*, Oxford.
- Perring, D., 1997-1998 Excavations in the souks of Beirut: an introduction to the work of the Anglo-Lebanese team and summary report, *Berytus* 43: 9-34.

- Perring, D., Seeden, H., Sheehan, P. and Williams, T., 1996 Bey 006, 1994-1995: the Souks Area interim report of the AUB project, *BAAL* 1: 176-206.
- Perring, D., 2006 Excavating the souks of Beirut, *Current World Archaeology* 16, 23-33.
- Petit, P., 1955 *Libanius et la vie municipale à Antioche au ive. siècle après J.-C.*, Paris.
- Philip, G., Jabour, F., Beck, A., Bshesh, M., Grove, J., Kirk, A. and Millard, A., 2002 Settlement and landscape development in the Homs region, Syria: research questions, preliminary results 1999-2000 and future potential, *Levant* 34: 1-23.
- Philip, G., Abdulkarim, M., Newson, P., Beck, A., Bridgland, D., Bshesh, M., Shaw, A., Westaway, R., and Wilkinson, K., 2005 Settlement and landscape development in the Homs region, Syria: report on work undertaken during 2001-2003, *Levant* 37: 21-42.
- PHI-OAU, 2001 The Zeugma Archaeological Project: interim report. Oxford.
- PHI-OAU, 2002 The Zeugma Archaeological Project: preliminary findings from the Shoreline Survey 2001. Oxford.
- Piacentini, D., 2001-2 Palmyra's springs in the epigraphic sources, *Aram* 13-14: 525-534.
- Pillet, M., 1933 General report. In Baur, P. V. C., Rostovtzeff, M. I. and Bellinger, A. R. (eds) *The Excavations at Dura Europos: preliminary report of fourth season of work October 1930-March 1931*, New Haven, 4 1-41.
- Piras, S., 2000 Water luxury in Roman times. Simply a matter of excellent planning and engineering or of politics and philanthropy? In Jansen 2000, 247-253.
- Poccardi, G., 2001 L'île d'Antioche à la fin de l'antiquité: histoire et problème de topographie urbaine. In Lavan, L. (ed.) *Recent Research in Late Antique Urbanism*, Portsmouth, RI, 155-172.
- Poidebard, A., 1931 Recherches sur le limes romain (campagne d'automne 1930), *Syria* 12: 274-280.
- Poidebard, A., 1934 *La Trace de Rome Dans le Désert de Syrie: le limes de Trajan à la conquête arabe, recherches aériennes 1925-1932*, Paris.
- Politis, K. D., 1993 The stepped dam at Wadi el-Jilat, *PEQ* 125: 43-49.
- Pollard, N., 2000 *Soldiers, Cities, and Civilians in Roman Syria*, Ann Arbor.
- Pollard, N., 2004 Roman material culture across imperial frontiers? Three case studies from Parthian Dura Europos. In Colvin, S. (ed.) *The Greco-Roman East: politics, culture, society*, Cambridge, 119-144.
- Poole, J. B. and Reed, R., 1961 The 'tannery' of Ain Feshka, *PEQ* 93: 114-123.
- Porath, Y., 1988-1989 Tel Afar, *ESI* 7-8: 1-3.
- Porath, Y., 1996 The evolution of the urban plan of Caesarea's south-west zone. In Raban, A. and Holum, K. G. (eds) *Caesarea Maritima, a retrospective after two millennia*, Leiden 105-120.
- Porath, Y., 2000 The IAA excavations at Caesarea 1994-1999, *HA* 112: 34-40.
- Porath, Y., 2002a Hydraulic plaster in aqueducts as a chronological indicator. In Amit *et al.* 2002, 25-36.
- Porath, Y., 2002b The water-supply to Caesarea: a re-assessment. In Amit *et al.* 2002, 104-129.
- Porath, Y., Neeman, Y. and Badihi, R., 1989-1990 Caesarea, *ESI* 9(2): 132-134.
- Porath, Y., Raban, A. and Patrich, J., 1998 The Caesarea Excavation Project - March 1992-June 1994, *ESI* 17: 37-79.
- Porath, Y. and Yankelevitz, S., 1989-1990 Caesarea, the High Aqueduct, *ESI* 9(2): 130-131.
- Pouille, A., 1878 Les bains de Pompéianus, *Recueil des notices et mémoires de la Société archéologique de Constantine* 19: 431-51.
- Prentice, W., 1922 *Publications of the Princeton University Archaeological Expedition to Syria in 1904-5 and 1909. III, Greek and Latin Inscriptions B, North Syria*, Leiden.
- Preusser, C., 1911 (repr. 1984) *Nordmesopotamische Baudenkmäler altchristlicher und islamischer Zeit*, Leipzig.
- Pritchard, J. B., 1958 The excavations at Herodian Jericho, 1951, *Annual of the American Schools of Oriental Research* 32-33: 4-12.
- Pritchard, J. B., 1961 *The Water System of Gibeon*, Philadelphia.
- Pritchard, J. B., 1971 The Roman port at Sarafand (Sarepta): preliminary report on the seasons of 1969 and 1970, *BMB* 24: 39-56.
- Raban, A., 1988-1989 Caesarea and its harbour - 1987/1988, *ESI* 7-8: 33-41.
- Raban, A., 1995 Dor-Yam: maritime and coastal installations at Dor in their geomorphological and stratigraphic context. In Stern, E. and Berg, J. E. (eds) *Excavations at Dor: final report*, Jerusalem 285-354.
- Raban, A. and Holum, K. G., 1991 Caesarea 1990, *ESI* 10(2): 109-112.

- Ragette, F., 1980 *Baalbek*, London.
- Rakob, F., 1974 Das Quellenheiligtum in Zaghuan und die römische Wasserleitung nach Karthago, *Mitteilungen des Deutschen Archäologischen Instituts, Römische Abteilung* 81, 41-89.
- Rakob, F., 2000 The making of Augustan Carthage. In Fentress, E (ed.) *Romanization and the City: creation, transformations and failures*, Portsmouth, RI, 73-82.
- Rapp, G. R. Jr and Hill, C. L., 1998 *Gearchaeology: the earth-science approach to archaeological interpretation*, New Haven and London.
- Rapuano, Y., 1999 Jerusalem, Ya-ar Ramot, *HA* 109: 74\*-75\*.
- Rasson, A.-M. and Seigne, J., 1989 Une citerne Byzantino-Omeyyade sur le sanctuaire de Zeus, *Syria* 66: 117-151.
- Raventos, Z. D. and Remola, J. A., 2000 *Sordes Urbis. La eliminacion de residuos en la ciudad romana. Actas de la reunion de Rome (15-16 de Noviembre de 1996)*, Rome.
- Rebuffat, R., 1991 Vocabulaire thermal - documents sur le bain romain. In Ecole française de Rome *Les Thermes romains: actes de la table ronde organisée par l'Ecole française de Rome: Rome, 11-12 novembre 1988*, Rome.
- Reich, R., 1997 Ritual baths. In Meyers, E. M., 1997 *The Oxford Encyclopedia of Archaeology in the Near East. Vol. 4*, Oxford, 430-1.
- Reich, R., 1998 Two possible miqva'ot on the Temple Mount, *IEJ* 39: 63-65.
- Reich, R. and Billig, Y., 1998 Jerusalem, Robinson's Arch, the Jerusalem Archaeological Park of the Second Temple Period, *ESI* 18: 88-90.
- Reich, R. and Shukron, E., 1994 Jerusalem, Mamilla, *ESI* 14: 92-96.
- Reich, R. and Shukron, E., 1999 Jerusalem, the Gihon Spring, *HA* 110: 63\*-64\*.
- Reich, R. and Shukron, E., 2003 Notes on the Gezer water system, *PEQ* 135(1): 22-29.
- Reich, R., Shukron, E. and Billig, Y., 1993 Jerusalem, Mamilla (1), *ESI* 12: 59-61.
- Reifenberg, A., 1955 *The Struggle Between the Desert and the Sown: the rise and fall of agriculture in the Levant. With an introduction by W.C. Lowdermilk*, Jerusalem.
- Renan, E., 1864 *Mission de Phénicie*, Paris.
- Retzleff, A., 2003 A Nabataean and Roman domestic area at the Red Sea port of Aila, *BASOR* 331(Aug.): 45-65.
- Rey-Coquais, J.-P., 1967 *Baalbek et Beqa*, Paris.
- Rey-Coquais, J. P., 1973 Inscriptions grecques d'Apamée, *AAAS* 23: 39-84.
- Rifai, M. F., 1990 Water-lifting practices in Aleppo District before motorisation. In Geyer 1990, 313-320.
- Robinson, D. M. and Hoyningen-Huene, G., 1946 *Baalbek, Palmyra*, New York.
- Rogan, E. L., 1995 Reconstructing watermills in Ottoman Transjordan. In Amr, K. Zayadine, F. and Zaghoul, M. (eds) *Studies in the History and Archaeology of Jordan* 5, Amman, 753-756.
- Ron, Z., 1966 Agricultural terraces in the Judean mountains, *IEJ* 16: 33-49, 111-122.
- Ron, Z., 1985 Development and management of irrigation systems in the mountain regions of the Holy Land, *Transactions of the Institute of British Geographers* 10: 149-169.
- Ron, Z., 1986 Geohydrological breakthrough in the first Jewish Temple Period and its effect on the development of groundwater resources. In *Proceedings of the 12th Archaeological Conference in Israel*, Jerusalem.
- Ron, Z., 1989 Qanats and spring flow tunnels in the Holy Land. In Beaumont, P., Bonine, M. and McLachlan, K. (eds) *Qanat, Kariz and Khattara: traditional water systems in the Middle East and North Africa*, London, 210-236.
- Rosen, B. and Finklestein, I., 1992 Subsistence patterns, carrying capacity and settlement oscillations in the Negev Highlands, *PEQ* 124: 42-58.
- Rosenan, N., 1955 One hundred years of rainfall in Jerusalem, *IEJ* 5: 137-153.
- Rostovtzeff, M. I., Bellinger, A. R., Hopkins, C. and Welles, C. B., (eds) 1936 *The Excavations at Dura Europos: preliminary report of the sixth season of work October 1932 - March 1933*. New Haven.
- Rosumek, P., 1982 *Technischer Fortschritt und Rationalisierung im antiken Bergbau*, Bonn.
- Roussin, L., 1994 'East meets west...' In Johnson, P., Ling, R. and Smith, D. (eds) *Fifth International Colloquium on Ancient Mosaics held at Bath*, Ann Arbor, 30-42.
- Ruben, I., Barnes, R. H. and Kana'an, R., 1997 Mapping and preliminary survey in Wadi Faynan, south Jordan, *ADAJ* 41: 433-452.
- Rubin, R., 1988 Water conservation methods in Israel's Negev Desert in Late Antiquity, *Journal of Historical Geography* 14(3): 229-244.



- Saarisolto, A., 1927 *The Boundary Between Issachar and Naphtali: an archaeological and literary study of Israel's settlement in Canaan*, Helsinki.
- Sadler, S., 1990 Le terroir agricole de Diyateh. L'irrigation comme condition d'existence de ce terroir. In Geyer 1990, 421-452.
- Sadowska, A., 1972 Rapport préliminaire de la huitième campagne de fouilles polonaises à Palmyre en 1966, *AAAS* 22: 117-128.
- Safadi, C., 1990 La foggara, système hydraulique antique, serait-elle toujours concevable dans la mise en valeur des eaux souterraines en Syrie? In Geyer 1990, 285-293.
- Saghieh-Beydoun, M., Allam, M., Ala'eddine, A. and Abulhosn, S., 1998-1999 Bey 004: the monumental street 'cardo maximus' and the replanning of Roman Berytus, *BAAL* 3: 95-126.
- Sagiv, N., Zissu, B. and Amit, D., 2002 The northern system of Eleutheropolis (Beth Govrin). In Amit *et al.* 2002, 177-186.
- Said, E. W., 1978 *Orientalism*, London.
- Saidah, R., 1967 Chronique, *BMB* 20: 155-180.
- Saidah, R., 1969 Archaeology in the Lebanon, *Berytus* 18: 119-142.
- Saliby, N., 1990 Les installations hydrauliques à Qasr el-Heir el-Gharbi. In Geyer 1990, 475-485.
- Sapin, J., 1998 A l'est de Gerasa. Aménagements rural et réseau de communications, *Syria* 75: 107-136.
- Sartre, J-P., 1943 *Being and Nothingness: an essay on phenomenological ontology*, London (trans. Barnes, H. E. 1969).
- Satlow, M. L., 1997 Jewish constructions of nakedness in late Antiquity, *Journal of Biblical Literature* 116.3, 429-454.
- Sauvignac, M. R., 1932 Notes de voyages. Le sanctuaire d'Allat à Iram, *Révue Biblique* 41: 581-97.
- Sauvignac, M. R., 1933 Le Sanctuaire d'Allat à Iram, *Révue Biblique* 42: 405-22.
- Sauvignac, M. R., 1934 Le sanctuaire d'Allat à Iram, *Révue Biblique* 43: 572-91.
- Sayegh, H., 1996 Bey 010 les souks, secteur nord/est, *BAAL* 1: 235-269.
- Schattner, I., 1962 *The Lower Jordan Valley: a study in the fluviomorphology of an arid region*, Jerusalem.
- Scheidel, W., 2003 Germs for Rome. In Edwards and Woolf 2003, 158-176.
- Schick, C., 1879 Neue Funde im Norden von Jerusalem, *ZDPV* 2: 102-104.
- Schiøler, T., 1973 *Roman and Islamic Water-lifting Wheels*, Odense.
- Schiøler, T., 1989 The watermills at the Crocodile River: a turbine mill dated to AD 345-380, *PEQ* 121: 133-143.
- Schlumberger, D., 1939 Les fouilles de Qasr el-Heir el-Gharbi (1936 - 1938), rapport préliminaire, *Syria* 20: 195-238.
- Schmid, S. G., 2000 The International Wadi al-Farasa Project (IWFP) exploration season 1999, *ADAJ* 44: 335-354.
- Schmid, S. G., 2002 The International Wadi Farasa Project (IWFP): preliminary report on the 2001 season, *ADAJ* 46: 257-277.
- Schmidt-Colinet, A., 1984 Die sogennante Maison à Atrium. In Balty 1984, 141-149.
- Schnitter, R. N. 1967 A short history of dam engineering, *Water Power*, 142-8.
- Schnitter, R. N., 1979 Les barrages romains, *Dossiers d'Archéologie* 38, 20-5.
- Schnitter, R. N., 1987 Verzeichnis geschichtlicher Talsperren bis Ende des 17. Jahrhunderts. In Garbrecht 1987, 10-20.
- Schumacher, G., 1889 *Abila of the Decapolis*, London.
- Schumacher, G. and Le Strange, G., 1890 *Northern Ajlun, within the Decapolis*, London.
- Schwabe, M., 1950-51 A Jewish sepulchral inscription from Caesarea Palestine, *IEJ* 1: 49-53.
- Scobie, A., 1986 Slums, sanitation and mortality in the Roman world, *Klio* 68(2): 399-433.
- Sear, F., 2004 Cisterns, drainage and lavatories in Pompeian houses, Casa del Granduca (VII.4.56), *PBSR* 72, 125-166.
- Segal, A., 1997 *From Function to Monument: urban landscapes of Roman Palestine, Syria and Provincia Arabia*, Oxford.
- Segal, A., 2000 Horbat Susita, *HA* 111: 12\*-13\*.
- Segal, A., 2003 Horbat Hanut, *HA* 115: 36\*-37\*.
- Segal, J. B., 1970 *Edessa: 'The Blessed City'*, Oxford.
- Seigne, J., 2002 A sixth-century water-powered sawmill at Jarash, *ADAJ* 46: 205-213.
- Seyrig, H., 1959 Antiquités syriennes 76: caractères de l'histoire d'Emèse, *Syria* 36: 184-192.
- Shaer, M. and Aslan, Z., 1997 Architectural investigation on the building techniques of the Nabataeans

- with reference to Tomb 825, *ADAJ* 41: 219-230.
- Shahada, K., 1957 The Salamia-Afamia (or Lover's) Canal in Syria (near Hama) circa 2nd century AD, *AAAS* 7: 155-166 (Arabic section).
- Shanks, H., 1977 Report from Jerusalem, *Biblical Archaeology Review* 3.4: 16-21.
- Shaw, B., 1984 Water and society in the ancient Maghrib: technology, property and development, *Antiquités Africaines* 20: 121-73.
- Shaw, B., 1991 The noblest monuments and the smallest things: wells, walls and aqueducts in the making of Roman Africa. In Hodge 1991, 63-91.
- Shereshevski, J., 1991 *Byzantine Urban Settlements in the Negev Desert*, Beer-Sheva.
- Shiloh, Y., 1984 Excavations at the City of David, interim report of the first five seasons, *Qedem* 19.
- Siegelmann, A., 1986 En Sabarim, *ESI* 5: 29.
- Siegelmann, A., 2002 Appendix: The tunnels of Tananim and Snunit. In Amit *et al.* 2002, 130-140.
- Sijpesteijn, P. J., 1985 List of canal workers, *Zeitschrift für Papyrologie und Epigraphik* 60: 282-288.
- Simms, D. L., 1983 Water-driven saws, Ausonius and the authenticity of the Mosella, *Technology and Culture* 24: 635-643.
- Simms, D. L., 1985 Water-driven saws in late Antiquity, *Technology and Culture* 26: 275-276.
- Sinclair, T. A., 1987 *Eastern Turkey: an architectural and archaeological survey I*, London.
- Sinclair, T. A., 1989 *Eastern Turkey: an architectural and archaeological survey II*, London.
- Sinclair, T. A., 1990 *Eastern Turkey: an architectural and archaeological survey III*, London.
- Small, D. B., 1987 Late Hellenistic baths in Palestine, *BASOR* 266 (May): 59-74.
- Smith, N. A. F., 1971 *A History of Dams*, London.
- Smith, N. A. F., 1976 Attitudes to Roman engineering and the question of the inverted siphon, *History of Technology* 1: 45-71.
- Smith, N. A. F., 1977-78 Roman canals, *Transactions of the Newcomen Society* 49: 75-86.
- Smith, R., 1969 The 1967 excavations at Pella of the Decapolis, *ADAJ* 14: 5-10.
- Smith, R. H. and Day, L. P., 1989 *Final Report on the College of Wooster Excavations in Area IX, the Civic Complex, 1979-1985*, Wooster.
- Solimany, G. and Weiss, D., 1991 Har Etan, Survey, *ESI* 14: 104-105.
- Solimany, G. and Weiss, D., 1994 Har Etan survey, *ESI* 14: 104f.
- Spain, R. J., 1984 The second-century Romano-British watermill at Ickham, Kent, *History of Technology* 9: 143-80.
- Sprague de Camp, L., 1963 *The Ancient Engineers*, London.
- Stager, L. E., 1991 Eroticism and infanticide at Ashkelon, *Biblical Archaeology Review* 17(4).
- Stager, L. E. and Esse, D., 1987 Ashkelon, 1985-1986, *IEJ* 37: 68-72.
- Starcky, A. J., 1941 *Palmyre: guide archéologique*, Beirut.
- Starcky, A. J., 1946-1948 Recentes découvertes à Palmyre, *Syria* 25: 334-336.
- Stein, A., 1940 Surveys on the Roman frontier in Iran and Transjordan, *Geographical Journal* 95 (Jan.-June): 428-438.
- Stein, R., 2004 Roman wooden force pumps: a case study in innovation, *JRA* 17, 221-250.
- Stenton, E. C. and Coulton, J. J., 1986 Oinoanda: the water supply and aqueduct, *Anatolian Studies* 36: 15-60.
- Stephen, F. W., 1919 Notes on Jerusalem's water supply, *Quarterly of the Department of Antiquities in Palestine* 51(1): 15-25.
- Stern, E., 1985 Tel Dor - 1984, *ESI* 4: 21-24.
- Stern, E., 1994 *Dor: ruler of the seas: twelve years of excavations at the Israelite-Phoenician harbor town on the Carmel coast*, Jerusalem.
- Stern, E. and Berg, J., 1995 *Excavations at Dor: final report*, Jerusalem.
- Stern, E., Berg, J. E., Gilboa, A. and Sharon, I., 1998 Tel Dor - 1995, *ESI* 18: 37-40.
- Stern, E., Berg, J. E., Gilboa, A., Sharon, I. and Zorn, J., 1997 Tel Dor 1994-1995 preliminary stratigraphic report, *IEJ* 47: 29-56.
- Stern, E., Berg, J. E. and Sharon, I., 1991 Tel Dor 1988-9 preliminary report, *IEJ* 41: 46-61.
- Stern, E. and Gilboa, A., 1989-1990 Tel Dor - 1989, *ESI* 9(2): 114-117.
- Stern, E., Gilboa, A. and Sharon, I., 1989 Tel Dor 1987 preliminary report, *IEJ* 39: 32-42.
- Stern, E. and Sharon, I., 1987 Tel Dor 1986 preliminary report, *IEJ* 37: 201-211.
- Stern, E. and Sharon, I., 1993 Tel Dor 1992: preliminary report, *IEJ* 43: 126-150.
- Stern, E., Sharon, I. and Gilboa, A., 1988-1989 Tel Dor 1987, *ESI* 7-8: 43-49.

- Stieglitz, R. R., 1998 A late Byzantine reservoir and piscina at Tel Tannim, *IEJ* 48.1-2: 54-65.
- Stillwell, R., 1941 *Antioch-on-the-Orontes III*, Princeton.
- Ston, O., 1993 Khirbet Handoma, *ESI* 13: 65f.
- Strathern M., 1988 *The Gender of the Gift*, Berkeley; London.
- Strange, J. F., Groh, D. F. and Longstaff, T. R. W., 1988 Sepphoris (Sippori) 1987, *IEJ* 38: 188-190.
- Strange, J. F., Groh, D. F. and Longstaff, T. R. W., 1999 Sepphoris 1996, *IEJ* 49.1-2: 122-123.
- Strange, J. F. and Longstaff, T. R. W., 1985 Sepphoris (Sippori) 1985, II, *IEJ* 35: 297-299.
- Strange, J. F. and Longstaff, T. R. W., 1987 Sepphoris (Sippori) 1986, II, *IEJ* 37: 279f.
- Strobel, A., 1966 Zur Ortslage von Kallirhoe, *ZDPV* 82: 154-155.
- Stucky, R. A., Kolb, B., Schmid, S. G., Gerber, Y., Bellwald, U. and Jacquat, C., 1995 Swiss-Liechtenstein excavations at Az-Zantur in Petra 1994: the sixth campaign, *ADAJ* 39: 297-315.
- Sussman, V., 1976 A burial cave at Kefar Ara, *Atiqot* 11: 92-102.
- Syon, D., 1994 Nahal Zippori, *ESI* 14: 46-49.
- Tabari and Blankinship, K. Y., 1993 *The Challenge to the Empires*, Albany.
- Tacoma, L. E., 1998 Replacement parts for an irrigation machine of the Divine House at Oxyrhynchus P. Columbia Inv. 83, October 12 AD 549(?), *Zeitschrift für Papyrologie und Epigraphik* 120: 123-130.
- Tahal, G., 1994 Avedat, *ESI* 14: 130-133.
- Tatcher, A., 1998 Akko, *ESI* 18: 12.
- Taylor, R., 1997 Torrent or trickle? The Aqua Alisetina, the Naumachia Augusti, and the Transtiberim, *AJA* 101, 465-92.
- Taylor, R. E., 1987 *Radiocarbon Dating: an archaeological perspective*, Orlando.
- Taylor, R. E., 1997 Radiocarbon dating. In Taylor, R. E. and Martin, J. A. (eds) *Chronometric Dating in Archaeology*, New York and London, 65-96.
- Taylor, R. E., Long, A. and Kra, R. S., (eds) 1992 *Radiocarbon After Four Decades: an interdisciplinary perspective*, New York.
- Teixidor, J., 1984 *Un port romain du désert: Palmyre et son commerce d'Auguste à Caracalla*, Paris.
- Tell, S. K., 1969 Notes on the archaeology of Amman, *ADAJ* 14: 28-33.
- Thomas, R. and Wilson, A. I., 1994 Water supply for Roman farms in Latium and South Etruria, *PBSR* 62: 139-196.
- Thompson, H. O. and De Vries, B., 1972 A water tunnel at Muqibleh, *ADAJ* 17: 89-90.
- Thornthwaite, C. W., 1948 An approach toward a rational classification of climate, *Geographical Review* 38: 55-94.
- Thorpe, R., 1998-1999a Bey 007: the souks area: preliminary report of the AUB/ACRE project, *BAAL* 3: 31-55.
- Thorpe, R., 1998-1999b Bey 045: preliminary report on the excavations, *BAAL* 3: 57-83.
- Thoumin, R. L., 1936 *Géographie humaine de la Syrie centrale*, Paris.
- Tölle-Kastenbein, R., 1996 Das archaische Wasserleitungsnetz für Athen. In De Haan and Jansen 1996, 129-36.
- Trakadas, A., 2005 The archaeological evidence for fish processing in the western Mediterranean. In Bekker-Nielsen, T. (ed.) *Ancient Fishing and Fish Processing in the Black Sea Region*, Aarhus 47-82.
- Tresse, R., 1929 L'irrigation dans la ghouta de Damas, *Révue des Etudes Islamiques* 3: 461-574.
- Trigger, B. G., 1985 *Native and Newcomers: Canada's 'Heroic Age' reconsidered*, Montreal.
- Tristram, H. A., 1873 *The Land of Moab: travels and discoveries on the east side of the Dead Sea and the Jordan*, London.
- Trombley, F. R. and Watt, J. W., 2000 *The Chronicle of Pseudo-Joshua the Stylite*, Liverpool.
- Tsaferis, V., 1980 A Roman bath at Rama, *Atiqot* 14: 66-75.
- Tsaferis, V. and Avner, R., 1989-1990 Baniyas - 1989, *ESI* 9(1): 3f.
- Tsaferis, V. and Israeli, S., 1995 Baniyas - 1993, *ESI* 15: 5-7.
- Tsaferis, V. and Israeli, S., 1996 Baniyas - 1994, *ESI* 16: 11-14.
- Tsaferis, V., Onn, A., Feig, N., Rapuano, Y. and Wechsler, S., 1991 Jerusalem - the third wall, *ESI* 10(2): 130-133.
- Tsaferis, V. and Peleg, M., 1984 Kefar Nahum -1984, *ESI* 3: 64.
- Tsafir, Y., 1988 *Excavations at Rehovot-in-the-Negev. The Northern Church*, Jerusalem.
- Tsafir, Y., Di Segni, L and Green, J, 1994 *Tabula Imperii Romani - Iudaea/Palaestina*, Jerusalem.

- Tsafir, Y. and Foerster, G., 1989-1990 Beat Shean excavation project - 1988/1989, *ESI* 9(2): 120-128.
- Tsuk, T., 1993 Survey of cisterns, *ESI* 12: 45.
- Tsuk, T., 2001-2 Urban water reservoirs in the land of the Bible during the Bronze and Iron Ages (3000 BC – 586 BC), *ARAM* 13-14, 377-401.
- Tsuk, T., 2002a The aqueducts to Sepphoris. In Amit *et al.* 2002, 278-294.
- Tsuk, T., 2002b An aqueduct to Legio. In Amit *et al.* 2002, 409-411.
- Tsuk, T., 2002c The water supply system of Shivta in the Byzantine period. In Ohlig *et al.* 2002, 65-80.
- Tsuk, T. and Ayalon, E., 1994 Herzilya tunnel, *ESI* 14: 140f.
- Tsuk, T., Peleg, Y., Fahlbusch, H. and Meshel, Z., 2002 A new survey of the aqueducts of Hippos-Susita. In Amit *et al.* 2002, 207-209.
- Tubb, J. N., 1986 The pottery from a Byzantine well near Tell Fara, *PEQ* 118: 51-65.
- Urman, D., 1985 *The Golan: A profile of a region during the Roman and Byzantine periods*, Oxford.
- Uscatescu, A. and Martin-Bueno, M., 1997 The macellum of Gerasa (Jerash, Jordan): from a market place to an industrial area, *BASOR* 307 (Aug.): 67-88.
- Van Berchem, D., 1983 Une inscription flavienne du Musée d'Antioche, *Museum Helveticum* 40: 185-196.
- Van Elderen, B., 1989 Water tunnel inscription of Abila, *Near East Archaeological Society Bulletin* 32/33(Winter): 2-5.
- Varga, D., 1999 Asqelon, Ben Gurion Street, *HA* 110: 72-73\*.
- Varisco, D. M., 1983 Irrigation in an Arabian valley: a system of highland terraces in the Yemen Arab Republic, *Expedition* 25(2): 26-34.
- Verhoogen, V., Mignot, P. and Musées royaux d'art et d'histoire (Belgium), 1964 *Apamée de Syrie*, Bruxelles.
- Vetrali, L., 1967 Le iscrizioni dell'acquedotto romano presso Betlemme, *Liber Annus* 17: 149-161.
- Vetters, H., 1984 Ephesos - Vorlauffer Grabungsbericht 1983, *Anz. Wien.* 121: 225.
- Vibert-Guige, C., 2001-2 La question de l'eau à l'époque Omeyyade en Jordanie: approches iconographiques et architecturale, *ARAM* 13-14, 533-567.
- Villeneuve, F., 1985 L'économie rurale et la vie des campagnes dans le Hauran antique (1er siècle avant J-C - VIe siècle après J-C). In Dentzer, J.-M. (ed.) *Hauran I: recherches archéologiques sur la Syrie du sud à l'époque hellénistique et romaine*, Paris, 63-136.
- Vita-Finzi, C., 1961 Roman dams in Tripolitania, *Antiquity* 35: 14-20.
- Vita-Finzi, C., 1969 *The Mediterranean Valleys: geological changes in historical times*, Cambridge.
- Wagner-Lux, U. and Vriezen, K. J. H., 1984 Preliminary report of the excavations in Gadara (Umm Qes) in Jordan, 1980, *ADAJ* 28: 87-90.
- Waheeb, M., 1996 Archaeological excavation at Ras an-Naqab - Aqaba road alignment: preliminary report (1995), *ADAJ* 40: 339-348.
- Waheeb, M., 1999 Wadi al-Kharrar archaeological project: the Monastery, *ADAJ* 43: 549-557.
- Waheeb, M. and Zubi, Z., 1994 The Amman nymphaeum excavations project: a short note on the 1992-1993 seasons, *ADAJ* 38: 507-508.
- Waheeb, M. and Zubi, Z., 1995 Recent excavations at the Amman Nymphaeum: preliminary report, *ADAJ* 39: 229-240.
- Wahl, J., 1993 Tres Minas: Vorbericht über die archäologischen Ausgrabungen im Bereich des römischen Goldbergwerks 1986/87. In Stever, H. and Zimmerman, U. (eds) *Montan-archäologie in Europa*, Sigmaringen 123-52.
- Walker, S., 1987 Roman nymphaea in the Greek world. In Macready, S. and Thompson, F. H. (eds) *Roman Architecture in the Greek World*, London.
- Ward, R. C. and Robinson, M., 1990 *Principles of Hydrology*, London.
- Ward-Perkins, B., 1984 *From Classical Antiquity to the Middle Ages: urban public building in northern and central Italy AD 300-500*, Oxford.
- Ward-Perkins, J. B., 1981 *Roman Imperial Architecture*, Harmondsworth.
- Ware, E. F., 1985 *Roman Water Law*, Colorado.
- Waterman, L., 1937 *Preliminary Report of the University of Michigan Excavations at Sepphoris, Palestine, in 1931*, Ann Arbor.
- Watson, A. M., 1983 *Agricultural Innovation in the Early Islamic World: the diffusion of crops and farming techniques, 700-1100*, Cambridge.
- Watson, P., 1986 Area B: the cardo-decumanus corner. A report on seven centuries of occupation. In Zayadine, F (ed.) *Jerash Archaeological Project, 1981-1983*, Amman, 359-367.

- Watson, P. and Tidmarsh, J., 1996 Pella/Tall al-Husn excavations 1993: the University of Sydney - 15th season, *ADAJ* 40: 293-313.
- Waugh, D., 1990 *Geography: an integrated approach*, Edinburgh.
- Weber, T., 1988 Gadara of the Decapolis: a summary of the 1988 season at Umm Qeis, *ADAJ* 32: 349-352.
- Weber, T., 1989 Um Qeis - Gadara. In Homes-Fredericq, D. and Hennessy, J. B. (eds) *Archaeology of Jordan - Field Reports II/2*, Leuven.
- Weber, T., 1991 Gadara of the Decapolis: preliminary report on the 1990 season at Umm Qeis, *ADAJ* 35: 223-232.
- Weber, T., 1993 Damaskos Polis Episemos, *Damaszener Mitteilungen* 7: 135-176.
- Weber, T., 1999 Thermalquellen und Heilgötter des Ostjordanlandes in römischer und byzantinischer zeit, *Damaszener Mitteilungen* 11, 433-443.
- Weber, T. and Hoffmann, A., 1990 Gadara of the Decapolis: preliminary report of the 1989 season at Umm Qeis, *ADAJ* 34: 321-342.
- Weiss, Z. and Netzer, E., 1994 Zippori - 1992/1993, *ESI* 14: 43.
- Weiss, Z. and Netzer, E., 1998 Zippori - 1994-1995, *ESI* 18: 22-27.
- Welles, C. B., 1937 Dura Papyrus 101: purchase of vineyard on the Chabur by a Roman veteran in AD 227, *Archives d'histoire du droit oriental* 1: 1-28.
- Welles, C. B., 1938 Inscriptions. In Kraeling, C. H. (ed.) *Gerasa of the Decapolis*, New Haven 355-494.
- Wendorf, F. and Schild, R., 1980 *Prehistory of the Eastern Sahara*, New York.
- Weulersse, J., 1940a *L'Oronte: étude d'une fleuve*, Tours.
- Weulersse, J., 1940b *Le pays des Alaouites*, Tours.
- Whitby, M., 1986 Procopius' descriptions of Dara. In Freeman, P. and Kennedy, D (eds) *The Defence of the Roman and Byzantine East*, Oxford, 737-783.
- White, K. D., 1970 *Roman Farming*, Ithaca.
- White, L., Jr, 1962 *Medieval Technology and Social Change*, Oxford.
- Whittaker, C. R., 1997 Imperialism and culture: the Roman initiative. In Mattingly, D. J. (ed.) *Dialogues in Roman Imperialism: power, discourse and discrepant experience in the Roman Empire*, Portsmouth, RI, 143-164.
- Wiemken, R. C. and Holum, K. G., 1981 The Joint Expedition to Caesarea Maritima: eighth season 1979, *BASOR* 244 (Dec.): 27-52.
- Wigley, T. M. L. and Framer, G., 1982 Climate of the eastern Mediterranean and Near East. In Bintliff and Van Zeist 1982, 3-37.
- Wikander, O., 1979 Water-mills in ancient Rome, *Opuscula Romana* 12: 13-36.
- Wikander, O., 1981 The use of water-power in Classical Antiquity, *Opuscula Romana* 13: 91-104.
- Wikander, O., 1984 *Exploitation of Water Power or Technological Stagnation? A Reappraisal of the Productive Forces in the Roman Empire*, Lund.
- Wikander, O., 1985 Archaeological evidence for early water-mills - an interim report, *History of Technology* 10: 151-179.
- Wikander, O., 1989 Ausonius' saw-mills - once more, *Opuscula Romana* 17: 185-190.
- Wikander, O., 1990 Water-power and technological progress in Classical Antiquity, *Opuscula Romana* 17: 185-190.
- Wikander, O., (ed.) 2000a *Handbook of Ancient Water Technology*, Leiden.
- Wikander, O., 2000b The water mill. In Wikander 2000a, 371-400.
- Wikander, O., 2000c Industrial applications of water power. In Wikander 2000a, 332-341.
- Wikander, O., 2000d Canals. In Wikander 2000a, 321-331.
- Wikander, O., 2000e The Iron Age and the Archaic and Classical periods. In Wikander 2000a, 617-630.
- Wilber, D. N., 1938 The Plateau of Daphne: the springs and the water system leading to Antioch. In Stillwell, R. (ed.) *Antioch on the Orontes: the excavations 1933-1936*, London, 49-56.
- Wilde, W. R., 1840 *Narrative of a Voyage to Madeira, Tenerife and Along the Shore of the Mediterranean II*, Dublin.
- Wilkinson, T. J., 1995 The archaeological landscape of the Balikh Valley, Syria, 1994-95 annual report, [http://oi.uchicago.edu/OI/AR/94-95/94-95\\_Jazira.html](http://oi.uchicago.edu/OI/AR/94-95/94-95_Jazira.html)
- Wilkinson, T. J., 1998a Water and human settlement in the Balikh Valley, Syria: investigations from 1992-1995, *Journal of Field Archaeology* 25(1): 63-87.
- Wilkinson, T. J., 1998b Settlement and irrigation in the Balikh Valley, Syria from the 3<sup>rd</sup> to 1<sup>st</sup> millennium BC. In Lebeau, M. (ed.) *About Subartu: studies devoted to Upper Mesopotamia (Subartu IV)*,

- Turnhout, 151-70.
- Wilkinson, T. J., 2000a Archaeological survey of the Tell Beydar region, Syria 1997: a preliminary report. In Van Leberghe, K and Voet, G. (eds) *Tell Beydar Environmental and Technical Studies (Subartu VI)*, Turnhout, 1-37.
- Wilkinson, T. J., 2000b Settlement and land use in the zone of uncertainty in Upper Mesopotamia. In Jas, R. (ed.) *Rainfall and Agriculture in Northern Mesopotamia*, Amsterdam, 3-35.
- Wilkinson, T. J., 2003 *Archaeological Landscapes of the Near East*, Tucson.
- Wilkinson, T. J. and Barbanes, E., 2000 Settlement patterns in the Syrian Jazira during the Iron Age. In Bunnens, G. (ed.) *Essays on Syria in the Iron Age*, Leuven, 397-422.
- Wilkinson, T.J. and Tucker, D. J., 1995 *Settlement and Development in the North Jazira, Iraq: a study of the archaeological landscape*, Warminster.
- Will, E., 1983 Le développement urbain de Palmyre: témoignage épigraphiques anciens et nouveaux, *Syria* 60: 69-81.
- Will, E., 1997 Antioche sur l'Oronte, métropole d'Asie, *Syria* 74: 99-113.
- Wilson, A. I., 1995 Running water and social status in North Africa. In Horton, M. and Widemann, T. (eds) *North Africa from Antiquity to Islam*, Bristol, 52-6.
- Wilson, A. I., 1995 Water-power in North Africa and the development of the horizontal water-wheel, *JRA* 8: 499-510.
- Wilson, A. I., 1997 Water management and usage in Roman North Africa: a social and technological study, unpublished DPhil. thesis, Oxford University.
- Wilson, A. I., 1998 Water supply in ancient Carthage. In Peña *et al.* 1998, 65-102.
- Wilson, A. I., 1999 Deliveries *extra urbem*: aqueducts and the countryside, *JRA* 12: 312-332.
- Wilson, A. I., 2000a Land drainage. In Wikander 2000a, 303-317.
- Wilson, A. I., 2000b Drainage and sanitation. In Wikander 2000a, 151-179.
- Wilson, A. I., 2000c Incurring the wrath of Mars: sanitation and hygiene in Roman North Africa. In Jansen 2000a, 307-312.
- Wilson, A. I., 2000d Industrial uses of water. In Wikander 2000a, 127-150.
- Wilson, A. I., 2000e The aqueducts of Italy and Gaul, *JRA* 13, 597-604.
- Wilson, A. I., 2001a Urban water storage, distribution and usage in Roman North Africa. In Koloski-Ostrow 2001 83-96.
- Wilson, A. I., 2001b Water-mills at Amida: Ammianus Marcellinus 18.8.11, *Classical Quarterly* 51(1): 231-236.
- Wilson, A. I., 2002a Detritus, disease and death in the city, *JRA* 15: 479-484.
- Wilson, A. I., 2002b Machines, power and the ancient economy, *JRS* 92, 1-32.
- Wilson, A. I., 2003a Classical water technology in the early Islamic world. In Bruun, C. and Saastamoinen, A. (eds) *Technology, Ideology, Water: from Frontinus to the Renaissance and beyond*, Rome, 115-141.
- Wilson, A. I., 2003b Opus reticulatum panels in the Severan Basilica at Lepcis Magna, *Quaderni di Archeologia della Libia* 18: 369-379.
- Wilson, A. I., forthcoming (a) Water for the Pompeians, *JRA*.
- Wilson, A. I., forthcoming (b) Fishy business: Roman exploitation of marine resources, *JRA*.
- Wilson, C. W. and Great Britain. Ordnance Survey, 1980 *Ordnance survey of Jerusalem*, Jerusalem.
- Wilson, R. J. A., 1996 *Tot aquarum tam multis necessariis molibus ...* Recent studies on aqueducts and water supply, *JRA* 9: 5-29.
- Wilson, N. G., 1983 *Scholars of Byzantium*. Baltimore, Maryland.
- Winogradov, Z. S., 2002 The aqueduct of Tiberias. In Amit *et al.* 2002, 295-304.
- Wiplinger, G., 2004-2006, Stand der Erforschung der Wasserversorgung in Ephesos/Türkei, *Schriftenreihe der Frontinus-Gesellschaft: Frontinus-Tagungen 2004/2006 in Wien und Berlin* 27, 15-48.
- Wood, B. G., 1984 To dip or to sprinkle? The Qumran cisterns in perspective, *BASOR* 256: 45-60.
- Wood, R., 1753 *The Ruins of Palmyra, Otherwise Tedmor, in the Desert* (facsimile: Farnborough).
- Woolf, G., 1994 Becoming Roman, staying Greek: culture, identity and the civilizing process in the Roman East, *Proceedings of the Cambridge Philological Society* 40: 116-143.
- Woolley, C. L. and Mallowan, M. E. L., 1976 *Ur Excavations*, London.
- Wuttman, M., Bousquet, B., Chauveua, M., Dils, P., Marchand, S., Schweitzer, A. and Volay, L. 1996 Premier rapport préliminaire des travaux sur le site de 'Ayn Manawir (oasis de Kharga), *BIFAO* 96, 385-451.

- Wuttman, M., Barakat, H., Bousquet, B., Chauveua, M., Gonon, T., Marchand, S., Robin, M. and Schweitzer, A., 1998 'Ayn Manawir (oasis de Kharga): deuxième rapport préliminaire, *BIFAO* 98, 367-462.
- Yadin, Y., 1965 The excavation of Masada – 1963/64, preliminary report, *IEJ* 15, 1-120.
- Yadin, Y., 1970 *Hazor, the head of all these kingdoms*, London.
- Yassine, K., Sauer, J. and Ibrahim, M., 1988 The East Jordan Valley Survey, 1976 (Part Two). In Yassine, K. (ed.) *Archaeology of Jordan: essays and reports*, Amman 189-207.
- Yavor, Z., 1998 Zikhron Ya'aqov, Neve Remez, *ESI* 18: 41f.
- Yegül, F. K., 1992 *Baths and Bathing in Classical Antiquity*, New York, London.
- Yegül, F. K., 2000 Memory, metaphor and meaning in the cities of Asia Minor. In Fentress E. (ed.) *Romanization and the City: creation, transformations and failures*, Portsmouth, RI, 133-153.
- Yeivin, Z. and Finkielstejn, G., 1999 Horbat Castra - 1993-1997, *HA* 109: 23\*-27\*.
- Yogev, O., 1988-1989 Tel Yizre'el - 1987/1988, *ESI* 7-8: 189-195.
- Yon, J.-B., 2001 Evergetism and urbanism in Palmyra. In Lavan, L. (ed.) *Recent Research in Late Antique Urbanism*, Portsmouth, RI, 173-181.
- Youtie, H. C., 1936 Ostraca from Sbeitah, *AJA* 40(452-459).
- Yron-Lubin, M., 1995 Horvat Hermeshit (Ne'ot Qedumim), *ESI* 15: 66-68.
- Zajac, N., 1999 The thermae: a policy of public health or personal legitimation? In DeLaine and Johnston 1999, 99-105.
- Zakariyya, A. W., 1934 *Jawla athariyya fi ba'd al-balad al shamiyya*, Damascus.
- Zakri, S., 1990 Pratiques hydro-agricoles traditionnelles d'après les manuscrits arabes d'agronomie à la période médiévale dans le monde arabo-musulman. In Geyer 1990, 35-52.
- Zanker, P., 2000 The city as symbol: Rome and the creation of an urban image. In Fentress, E. (ed.) *Romanization and the City: creation, transformation and failures*, Portsmouth, RI, 25-41.
- Zaqzouq, A. R., 1990 Les norias: anciens moyens d'irrigation les plus importants dans la région de Hama. In Geyer 1990, 337-365.
- Zayadine, F., 1974 Excavations at Petra (1973-1974), *ADAJ* 19: 135-150.
- Zayadine, F., 1982 Recent excavations at Petra (1979-1981), *ADAJ* 26: 365-393.
- Zayadine, F. (ed.) 1986 *Jerash Archaeological Project, 1981-1983*, Amman.
- Zayadine, F. and Farajat, S., 1991 Excavation and clearance at Petra and Beida, *ADAJ* 35: 275-311.
- Zertal, A., 1984 Khirbet el-Hammam (Narbata) - 1984, *ESI* 3: 38f.
- Zertal, A., 2002 The water system of Khirbet el-Hammam (Narbata). In Amit *et al.* 2002, 413-416.
- Zuck, Z., 1984 Horvat Zakkur, *ESI* 3: 113.

### Primary Sources

- Ammianus Marcellinus  
- Rolfe, J. C., 1925 *Ammianus Marcellinus*, London, Cambridge MA.
- Antoninus of Placentia  
- Stewart, A., 1887 *Of the Holy Places Visited by Antoninus Martyr, c. 530 AD*, London.
- Ausonius *Moselle*  
- Green, R. P. H. (ed.) 1999 *Decimi Magni Ausonii Opera*, Oxford.
- Bar Hebraus *Chronicon Ecclesiasticum*  
- trans. Abbeloos, J. B. and Lamy, T.J. (eds) 1872-1877 *Gregorii Barhebraei Chronicon ecclesiasticum, ed. Lat. Donaverunt annotationibusque illustr. J. B. Abbeloos et T. J. Lamy, Lovanii.*
- Bordeaux Pilgrim's Guide  
- trans. Stewart, A. and Wilson, C. W. (eds) 1896 *Itinerary from Bordeaux to Jerusalem*, London.
- Choricus of Gaza  
- Foerster, R. and Riehsteig, E. (eds) 1929 *Choricii Gazaei opera*, Leipzig.
- Codex Theodosianus*  
- Pharr, C., 1969 *The Theodosian Code and Novels, and the Sirmondian Constitutions*, New York.
- Columella  
- Ash, H. B. and Forster, E. S., 1960 *De Re Rustica*, Cambridge MA.
- Cyril of Scythopolis *Life of Euthymius*  
- Schwartz, E. (ed.) 1939 *Kyrillos von Skythopolis, Leben des Euthymios*, Leipzig.

- Cyril of Scythopolis, *Life of Sabas*  
 - Schwartz, E. (ed.) 1939 *Kyrillos von Skythopolis, Leben des Sabas*, Leipzig.
- Diodorus Siculus  
 - Oldfather, C. H., Sherman, C. L., Wells, C. B. and Geer, R. M., 1963-71 *Diodorus of Sicily in Twelve Volumes*, London; Cambridge MA.
- Eumenius  
 - Gallatier, E. (ed.) *Panegyriques latins*, tome 1, Paris.
- Eunapius *Vit. Soph.*  
 - Giangrande, G., 1956 *Vitae sophistarum*, Rome.
- Eusebius *Onomasticon*  
 - Jerome, S. and Klostermann, E. (eds) 1966 *Onomasticon*, Hildesheim.
- Evagrius  
 - Whitby, M., 2000 *The Ecclesiastical History of Evagrius Scholasticus*, Liverpool.
- Frontinus *Aq.*  
 - Herschel, C., 1980 *The Strategems and The Aqueducts of Rome*, Cambridge MA.
- Georgica Sumerica  
 - Van Liere, R., 1980 Techniques hydrauliques en Mésopotamie ancienne, *Orientalia Lovaniensia Periodica* 11, 11-53.
- Gregory of Nyssa  
 - McDonough, J. and Alexander, P. (eds) 1962 *Gregorii Nysseni Opera* V, Leiden.
- IGR III*  
 - Cagnat, R., Toutain, J. and Jouguet, P. (eds) 1906-27 *Inscriptiones Graecae ad Res Romanas Pertinentes*, Paris.
- ILS*  
 - Dessau, H. (ed.) 1962 *Inscriptiones Latinae Selectae*, Berolini.
- Isidore of Charax, *Parthian Stations*  
 - Schoff, W. H., 1914 *Parthian Stations by Isidore of Charax: an account of the overland trade route between the Levant and India in the first century BC*
- John Chrysostom  
 - 1842 *The Homilies of John Chrysostom, Archbishop of Constantinople: on the statues, or to the people of Antioch*, Oxford.
- Josephus *Antiquities*  
 - Thackeray, H. St J. and Marcus, R. (eds) 1934 *Jewish Antiquities*, Cambridge MA.
- Josephus *Wars*  
 - Thackeray, H. St J. (ed.) 1928 *The Jewish War*, Cambridge MA and London.
- Julian of Ascalon  
 - Saliou, C., 1996 *Le traité d'urbanisme de Julien d'Ascalon: droit et architecture en Palestine au VIe siècle*, Paris.
- Law Code of Hammurabi  
 - Driver, G. R. and Miles, J. C., 1955 *The Babylonian Laws*, vol. II, Oxford.
- Libanius  
 - Petit, P., 1955 *Libanius et la vie municipale à Antioche au ivème siècle après J.-C.*, Paris.
- Lucretius  
 - Rouse, W. H. D. 1966 *De Rerum Natura*, London.
- Malalas  
 - Jeffreys, E., Jeffreys, M. and Scott, R. 1986 *The Chronicle of John Malalas*, Melbourne.
- Martial  
 - Lindsay, W. M. *Epigrammata*, Oxford.
- Palestine Pilgrim Texts  
 - Stewart, A., 1893 *Palestine Pilgrim Texts*, London.
- Philo of Byzantium  
 - Marsden, E. W., 1971 *Greek and Roman Artillery: technical treatises*, Oxford.
- Pliny *NH*  
 - Rackham, H., 1983 *Natural History*, Cambridge, MA.
- Procopius, *Buildings*  
 - Dewing, H B., 1996 *Procopius: Buildings*, Cambridge MA.



- Procopius of Gaza  
- Garzya A. and Loenertz, R. J. (eds) 1963 *Epistolae et Declamationes*, Eltal: Buch-Kunstverlag.
- Seneca  
- Gummere, R. M., 1920 *Epistles 66-92*, Cambridge MA.
- SHA  
- Magie, D., 1921 *The Scriptores Historiae Augustae*, London, Cambridge MA.
- Stephanos Byzantios  
- Westermann, A., 1839 *Stephani Byzantii Ethnikon quae supersunt*, Lipsiae.
- Strabo, *Geography*  
- Jones, H. L., 1930 *The Geography of Strabo*, London, New York.
- Varro *Res Rusticae*  
- Best, L. S., 1912 *Varro on Farming*, London.
- Vitruvius *De Architectura*  
- trans. Granger, F. S., 1931 *De Architectura*, London; Cambridge, MA.