CURRICULUM VITAE

1. Name and position

Leo Depuydt, Professor Emeritus of Egyptology and Assyriology (from 1/16/23, MLK Day). Department of Egyptology, Brown University, renamed and reconstituted as Department of Egyptology and Ancient Western Asian Studies in 2005 and renamed Department of Egyptology and Assyriology in 2014.

2. Address

POB 259, Norton, MA 02766–0259.

3. Education

2017 (Sep)–**2020** (Jan). Study of Chinese (Mandarin). 2017–18: Beginning at Brown. Summer 2018: Lower intermediate at Middlebury College's Summer Language School (includes Language Pledge). 2018–19: Third-year (higher intermediate, lower advanced) at Brown. 2019-20: Fourth-year (lower advanced) at Brown (until COVID 19 outbreak in March 2020). All classes and tests.

1985 (Sep)–**1990** (May): Ph.D. Near Eastern Languages and Civilizations (program in Coptic and Egyptology), Yale University. Dissertation: *A Historical Study and Catalogue Raisonné of the Pierpont Morgan Library Coptic, Coptic-Greek, and Coptic-Arabic Manuscripts*. Director of dissertation and academic co-advisor for Coptic Studies: Bentley Layton. Academic co-advisor for Egyptology: William Kelly Simpson.

    1987 (May): M.Phil., Yale.

    1987 (Spring): Exchange scholar for Demotic, Brown.

    1986 (Summer): Nine-week intensive course in advanced Arabic, Middlebury College.

1984 (Oct)–**1985** (Jul): Post-graduate study in Egyptology and Semitics at the Eberhard-Karls-Universität, Tübingen, Germany, with a with D.A.A.D. "Council of Europe Higher Education Fellowship," Eberhard-Karls-Universität, Tübingen, Germany. Obtained the certificate ("Schein") for Zwischenprüfung Arabisch.

1984 (May–Sep): Worked for the Corpus Christianorum, residing at St. Peter's Benedictine Abbey, Bruges, Belgium. [Monastic interlude between military service and study in Germany.]

1983 (Sep)–**1984** (Apr): Military Service, Belgium/NATO. Non-commissioned Officer; Tank Commander, Gepard System (anti-air artillery); boot camp and training at Turnhout and Lombardsijde, Belgium (Sep–Dec); stationed at Spich near Cologne, (West) Germany (Jan–Apr).

1982 (Oct)–**1983** (Jun), Post-graduate study with Government of Israel Scholarship, Hebrew University of Jerusalem. Including study with H.J. Polotsky (private study with Polotsky also

in Jerusalem in Apr '84, Mar–Apr '85, Jan '88, Nov '88, Nov '89, and Mar '91, and at Yale almost daily all of fall semester '85 (Sep–Dec) and May '86.

1982 (Aug–Sep), Intensive language course Modern Hebrew (Ulpan), Hebrew University.

1981 (Sep)**–1982** (Jun), Post-graduate study (course work for M.A.), Hebrew Union College, Cincinnati.

1979 (Oct)**–1981** (Sep), Licentiate (equivalent M.A), Oriental Philology, Catholic University of Louvain, Belgium. Thesis (about 200 pp.) on Egyptian grammar, more specifically the Egyptian verbal system.

1975 (Oct)**–1979** (Sep), Licentiate, Classical Philology, Catholic University of Louvain. Thesis (1979) entitled "Paulinus van Nola, Carm. 18,219–468: Het Mirakel der Ossen. Tekst, vertaling en filologische commentaar" (about 200 pp.) (concerns the comparison of the Christian Latin of the poet Paulinus of Nola with Classical Latin).

1969 (September)**–1975** (June), Latijns-Griekse Humaniora/Latin-Greek Humanities, Sint-Vincentiuscollege/Saint Vincent's Gymnasium (high school), Ieper (Ypres), Belgium.

Languages Studied (some of these are rusty)

Akkadian, 3 semesters.
Arabic (Classical, Modern Standard, Christian), several years, speaking and reading.
Aramaic (Old, Imperial, Biblical), 2 years.
Armenian, elementary.
Chinese, lower advanced by Jan 2020.
Coptic, since 1977 (all dialects, including Achmimic, Bohairic, Faiyumic, Lycopolitan, Oxyrhynchite, Sahidic).
Dutch/Flemish, West-Flemish dialect is mother tongue.
Egyptian, since 1977 (all stages: Old, Middle, Late Egyptian; Demotic; Coptic [which see above]).
Ethiopic (Ge'ez), 3 semesters.
French, fluency.
German, fluency.
Greek, ancient, reading proficiency
Greek, modern, elementary.
Hebrew, Biblical, reading proficiency.
Hebrew, modern (Ivrit), reading speaking proficiency.
Italian, reading fluency.
Latin, reading proficiency.
Russian, elementary (eight months)
Spanish, reading knowledge.
Syriac, reading knowledge.

Languages actually spoken: Dutch, French, English, German, Arabic, Hebrew. The latter two lack practice.

4. Professional appointments

2023 (1/16, MLK Day)– Professor Emeritus of Egyptology and Assyriology, Brown University.
2020 (summer)– Editor-in-Chief, *Advances in Pure Mathematics* (www.scirp.org).
2011 (Jul)–**2023** (1/16): Professor of Egyptology and (from 2014) Assyriology, Brown University.
2010 (Sep)–**2012**: Visiting Scholar in the Classics, Department of the Classics, Harvard University (retroactively also **2007–2010**).
2003 (Jan–Jun): Visiting Associate Professor, Department of Near Eastern Languages and Civilizations, Yale University.
1996 (Jan)–**2011** (Jun): Associate Professor of Egyptology (with tenure), Brown University.
1991 (Jul)–**1995** (Dec): Assistant Professor of Egyptology (non-tenure track), Brown University.
1989 (Jul)–**1991** (Jun): Senior Lector of Coptic and Syriac, Yale University.

5. Completed research

a. Books

I–II. (As editor and co-author [front and back matter]) David BRAKKE, Paul CHAPMAN, Zlatko PLEŠE, James Ross SMITH, Mark C. STONE, Craig S. WANSINK, and Frederick WEIDMANN, with an introduction by Rowan A. GREER, *Homiletica from the Pierpont Morgan Library: Seven Coptic Homilies Attributed to Basil the Great, John Chrysostom, and Euodius of Rome*. 2 vols. Corpus Scriptorum Christianorum Orientalium 524 and 525 (scriptores coptici 43 and 44). Lovanii: In Aedibus E. Peeters, 1991. Pp. XXI + 123 and XXIV + 123. Seven Coptic works are edited and translated. The edition result from an advanced Coptic course taught at Yale in spring 1990. The volume editor checked all the Coptic texts with the help of photographs as well as all the translations as a means of teaching the language.

III. (As author) *Catalogue of Coptic Manuscripts in the Pierpont Morgan Library*. Leuven: Peeters Press, 1993. Pp. 825 (CXVI + 709).

IV. (As author) *Catalogue of Coptic Manuscripts in the Pierpont Morgan Library: Album of Photographic Plates.* Leuven: Peeters Press, 1993. Pp. XXIX; 486 Plates.

V. (As author) *Conjunction, Contiguity, Contingency: On Relationships between Events in the Egyptian and Coptic Verbal Systems*. New York: Oxford University Press, 1993. Pp. XVIII + 281.

Language is in large part about the description of events occurring in the world around us. These events contract relationships with one another. Certain relationships can be expressed by specific verb forms—or by syntactic constructions involving specific verb forms. The present study examines this facet of the Egyptian and Coptic verbal systems in isolation, singling out three types of relationships between events and the linguistic means by which they are expressed. The book comprises three chapters on the grammar of hieroglyphic Egyptian and its linear descendant, Coptic, covering more than 3000 years of language history. The initial chapter studies the verb form called "conjunctive," asserting that the function of the conjunctive is to "con-join" a chain of two or more events into a single—though compound—notion. The second chapter shows how a

certain syntactic construction can be used to refer to events that are contiguous—that is, events that succeed one another rapidly in time. The final chapter examines verb forms that refer to events whose occurrence is contingent on the occurrence of other events implied or explicitly mentioned in the context. The three grammatical phenomena are respectively labeled conjunction, contiguity, and contingency. It is the first work in which the expression of relationships between events is studied in isolation as an important characteristic of the Egyptian and Coptic verbal systems.

VI–VII. (As editor and co-author [front and back matter]) including introduction and indexes]) Paul CHAPMAN, Leo DEPUYDT, Michael E. FOAT, Alan B. SCOTT, and Stephen E. THOMPSON, with an introduction by Susan Ashbrook HARVEY, *Encomiastica from the Pierpont Morgan Library: Five Homilies Attributed to Anastasius of Euchaita, Epiphanius of Salamis, Isaac of Antinoe, Severian of Gabala, Theodore of Antioch, and Theopempus of Antioch*. 2 vols. Corpus Scriptorum Christianorum Orientalium 544 and 545 (scriptores coptici 47 and 48). Louvanii: In Aedibus E. Peeters. Pp. XXX + 171 p. and XVII + 127. Five Coptic works are edited and translated. The editions and translations result in part from an advanced Coptic course taught at Brown in spring 1992. The volume editor checked all the texts with the help of photographs as well as the translations as a means of teaching the language.

VIII. (As author) *Materials for Egyptian Grammar: Catalogue of Coordinates and Satellites of the Middle Egyptian Verb.* Leuven: Peeters, 1996 Pp. XXIV + 244 + insert of 12 pages.

This analysis of the Middle Egyptian verb arises from the simple observation that a verb form is not a *thing* but a *cluster* of things. For instance, it is either transitive or intransitive, active or passive, past, present, or future, and so on. It follows that verb forms can be fully defined by listing all their options within criteria such as the three just listed. These options are the verb's coordinates. Like a point in space, a verb form can be "located" precisely by means of its coordinates.

The present work provides a complete catalogue of the coordinates of the verb. In addition, the behavior of the various types of words or strings of words that accompany verb forms like satellites orbiting a planet are described in an appendix. The author felt the need for analyzing the coordinates of verb forms independently form verb forms themselves, as a step towards writing a grammar, while teaching Egyptian at Yale from 1989 and at Brown from 1991.

A network of coordinates should allow a high degree of conceptual clarity for studying the Middle Egyptian verb and make it possible to encode the verbal system in machine-readable form. Above all, it may make it easier to communicate in organized fashion about the great amount of "guess" work involved in identifying Egyptian verb forms, since hieroglyphic writing fails to convey so many distinctions. Obviously, one wished one could just translate. Unfortunately, there is no such thing as "just" translating Middle Egyptian, as anyone who has worked with, say, wisdom literature knows. While the exigencies of textual scholarship require provisional translations, the amount of inference from fact, as a poor substitute for fact itself, necessitates a type of philology of Old and Middle Egyptian that wholly differs from that of most other languages. There is still something deeply unsatisfactory and transitory about the business of grammatically commenting on Egyptian texts today.

IX. (As author) *Civil Calendar and Lunar Calendar in Ancient Egypt*. Orientalia Lovaniensia Analecta 77. Leuven: Uitgeverij Peeters en Departement Oosterse Studies, 1997. Pp. XIV + 275 + 20 Figures.

This investigation is concerned with ancient Egyptian calendars. Though much of the evidence pertaining to the complex problems pertaining to Egyptian calendars is brought to bear in this investigation, its specific focus is one of the oldest problems of the study of these calendars: the so-called problem of the month names. As Anthony Spalinger has noted, "The whole problem surrounding the Pharaonic month names . . . still reverberates in [the field of Egyptology]." The problem of the month names has two components. These two components will be called the Brugsch phenomenon and the Gardiner phenomenon. The main purpose of the present work is to suggest an explanation for the Brugsch phenomenon. In past research, the two phenomena have more often than not been treated as just one. It is true that the two phenomena are closely related. But a distinction is necessary. No new theory is presented for the Gardiner phenomenon. This phenomenon involves the undeniable fact that a month can bear the same name as Day 1 of the month that follows it. Parker's explanation of the Gardiner phenomenon is accepted here as the most plausible. This explanation does not contradict the explanation proposed here for the Brugsch phenomenon.

As a scholarly problem, the Brugsch phenomenon is slightly older than the Gardiner phenomenon. It has occupied center stage in the study of ancient Egyptian calendars since the early days of this endeavor. In 1870, Heinrich Brugsch, the great pioneer in this subject, wrote about the phenomenon, "Here we encounter all at once the most curious contradiction (*der seltsamste Widerspruch*)." Rolf Krauß has recently declared the contradiction still "unsolved." The Brugsch phenomenon concerns the indisputable fact that the *last* or *twelfth* month of the Egyptian civil year can be named as if it were the *first*. Two month names are involved. The first is *wp rnpt*. Its meaning, "opener of the year," refers to a beginning. The second month

name is *mswt rˁ* "birth of Re" in hieroglyphic Egyptian, the Mesore of Aramaic, Greek, and Coptic. Both *wp rnpt* and *mswt rˁ* can otherwise also refer to New Year's Day, the quintessential calendrical beginning.

X–A. (As author) *Fundamentals of Egyptian Grammar*, Part 1: *Elements*. Norton, Mass.: Frog Publishing 1999. Pp. 906 (LXXXIII + 823). See also no. **X–B** following no. **XIV**.

This is an introduction to Middle Egyptian, spoken in ancient Egypt around 2000 B.C., also called Classical Egyptian. Scribes imitated it long after Egyptian had further evolved. Egyptian was *both* written *and* spoken from *ca.* 3000–2500 B.C. to *ca.* A.D. 1000–1500, for nearly 4000 years. The language changed much in this time. Several stages are distinguished. Middle Egyptian, the second, is traditionally studied first. This textbook is perhaps more suitable for an intensive course, the kind used to teach other languages that differ much from English, such as Chinese, Japanese, Korean, Russian, Swahili, and Turkish. But there is enough material for any kind of course or for self-teaching.

This work is organized in two ways: first, in chapters and sections by subject matter; and second, in thirty-six lessons with questions and exercises for teaching and learning. There are five chapters, entitled "The Hieroglyphic Script," "Substantives and Adjectives," "Pronouns and Adverbs," "Non-verbal Sentences," and "Verbal Coordinates."

This book is fully self-sufficient. It contains all the necessary vocabulary, a full answer key to all the exercises, a list of all the hieroglyphic signs that occur, and definitions of all the grammatical terms. There is also an index of passages cited from Egyptian texts and an index of grammatical topics. The story of the decipherment is told in an appendix.

Middle Egyptian is written with the hieroglyphic script. For all its beauty, this script does not represent the language in full. Thus, vowels are not denoted. Studying Middle Egyptian is an unusual endeavor. This book is also unusual as an introduction. Much emphasis is placed on analysis. This book is not only a textbook, but also an analysis of the fundamentals of Middle Egyptian cast in a textbook mold for clarity and distinction. The analysis progresses from the most basic elements to ever increasing complexity by simple and obvious incremental steps. In light of this logical progression, Part 1 is called "Elements." Part 2 will be called "Links." No prior knowledge of grammar or of any theory of language is presupposed. Grammatical terms are used parsimoniously.

This work is much inspired by the writings of H.J. Polotsky and by a decade of teaching Egyptian to Yale, Brown, and Harvard students. Eighteen theses discussed in the Preface and defended in detail elsewhere convey some of what lends this grammar its own character.

XI. (As co-editor, with Verena M. Lepper) H.J. Polotsky, *Scripta Posteriora on Egyptian and Coptic*. Lingua Aegyptia: Studia monographica 7. Göttingen: Seminar für Ägyptologie und Koptologie, 2007.

The writings of H.J. Polotsky (1905–1991) bearing on all five of the successive stages of ancient Egyptian, whose history is by far the longest attested of any language, stand out by their steadfast and unrelenting commitment to the highest possible standards of rigor and precision. Students of Egyptian in search of a perfect method can only benefit from reading over and over again any and all that Polotsky has had to say on the subject. His writings on Egyptian and Coptic grammar up to 1965 have been conveniently gathered in a volume entitled *Collected Papers* (1971), published by the Magnes Press of the Hebrew University of Jerusalem. The present volume reissues everything that Polotsky has published on Egyptian and Coptic grammar after 1965 until his death in 1991, that is, fourteen articles in all, but excepting his *Grundlagen des koptischen Satzbaus*, which were published as a monograph in two volumes in 1987 and 1989 by the American Papyrological Society. For completeness' sake, an early publication in Hebrew on the battles of Megiddo and Qadesh predating 1968 is also included. The volume concludes with excerpts of handwritten notes on Egyptian and Coptic grammar selected from Polotsky's unpublished *Nachlass*, which is kept at the Studium Biblicum Franciscanum in Jerusalem. These writing samples in the hand of one whose theories radically transformed the study of Egyptian and Coptic in the twentieth century permit a firsthand look and provide an unprecedented illustration of "how to observe in grammar and philology."

XII. (As author) *The Other Mathematics: Language and Logic in Egyptian and in General.* Gorgias Press: Piscataway, N.J., 2008.

Hiding under the human skull is the most complex structure in the universe, the brain, the seat of thought. No concept has inspired the present investigation more than the notion that thought is subject to absolute limitations. Yet, thought is perhaps more readily conceived as limitless. Just think of the human imagination in its various forms: literary, religious, visual, and so on. Anything seems possible when it comes to thought. Then again, the brain is a material structure that is not infinite. It therefore seems eminently reasonable to suppose that what the brain does is not infinite either. The larger aim of the present investigation is to achieve a better sense of the absolute limitations of thought and of the precise and distinct levels of thought that reach up to this final border beyond which thought is not possible. Humility is a common concept in the realms of religion

and morality. But rational thought has its own kind of humility, namely the acute awareness of its own absolute limitations. What are these limitations? How smart are we really?

Max Planck recommended the study of philosophy only when conjoined to the study of more specific subjects. Likewise, the larger concept outlined above is studied here in relation to a narrower domain. This narrower domain is the Egyptian language, whose history is the longest attested of any language. The focus is specifically on certain striking phenomena of Egyptian, along with parallels in other languages. These phenomena lay bare some of the fundamental fiber of human thought.

Since the mid-nineteenth century, Aristotelian and scholastic logic has been fully superseded by modern scientific logic, also known as symbolic logic. The pioneer is George Boole (1815–1864). In the late 1930s, an M.I.T. graduate student named Claude Shannon adapted Boolean algebra for electronic circuits and the computer age began. In the present investigation, several facets of Egyptian are treated in detail in light of modern scientific logic. But no prior knowledge of logic is presupposed. A brief history of logic is provided. All that is needed from logic is defined in full internally.

Topics pertaining to Egyptian treated in the present work include: sharp and simple definitions of condition and premise, of the difference between condition and premise, and of how one gets from condition to premise and back; the balanced sentence or *Wechselsatz*; the *conditio sine qua non* and how exactly it differs from the normal condition; the rise of existential expressions in the history of the language; and the intriguing question of whether we moderns are smarter or more sophisticated than the ancient Egyptians or than ancient peoples in general. The treatments of these individual and interconnected topics ultimately all have the same general purpose: to expose ever more clearly the basic articulation of thought into three levels and to suggest the apparent inability of thought to break out of this tripartite pattern as its absolute limitation. The three-level model is able to absorb and incorporate in full transparency a number of abstract and much discussed terms such as "causality," "condition," "result," "consequence," "premise," "thought," "truth," "certainty," "right and wrong," and so many others. Everyone senses more or less what these terms mean. But defining them precisely is another matter.

(*Alternative description*)

There are two kinds of mathematics. At the outset of his *Elements of Algebra*, Euler describes the one normally considered the only kind, quantity mathematics, as the study of "what is capable of increase or diminution." This book is about the other mathematics, attribute mathematics, in which nothing ever gets bigger or smaller. More specifically, it is about some of what attribute mathematics can do toward the full digitalization of thought and language. The matter is relevant not only directly to linguistics and philosophy but also indirectly to electrical engineering and neuroscience. The twenty-first century will be that of the brain. Human existence will gradually be turned inside out as tools such as genetics and Boolean algebra allow us to see ourselves function on the smallest scale while it is happening. For now, establishing what goes on in the mind in terms of thought and language mainly relies on what comes out of the mouths of speakers or issues from the pens of writers. But since the spoken or written word successfully transmits purport, what is essential to the structure of thought and language inside the mind ought to be externalized in sound waves or written symbols transferring purport. As regards this structure, it will be assumed that most everything in the brain is digital, that is, On (1) or Off (0). The brain can do many things, but only so much. What are the limits? The search is for final definitions, beyond which thinking is impossible. Final definitions should make electrical engineers happy.

XIII. (as author) *From Xerxes' Murder (465) to Arridaios' Execution (317): Updates to Achaemenid Chronology (Including Errata in Past Reports)*. British Archaeological Reports S1887. Oxford: Archaeopress 2008.

This investigation consists of updates to the chronology of Achaemenid Persia (539 B.C.E.–304 B.C.E.). The state of Achaemenid chronology was the subject of a series of studies published by this writer about ten to fifteen years ago. Newly emerged evidence has necessitated the present updates. Errata in those earlier studies are listed in an appendix. The focus of the present investigation is on what is new. A comprehensive statement on Achaemenid chronology that progresses from first principles and combines all that is new with all that is old remains desirable.

Few historical events are as transforming in the history of nations as the death of one ruler and the accession of the next. Accordingly, the chronology of regnal transitions deserves special attention in the study of ancient chronology. This essay provides updates for the chronology of nine regnal transitions in the Achaemenid empire: Xerxes I to Artaxerxes I (465); Artaxerxes I to Darius II (424–23); Darius II to Artaxerxes II (405/4); Artaxerxes II to Artaxerxes III (359/58); Artaxerxes III to Arses (338); Arses to Darius III (336/35); Darius III to Alexander III (331); Alexander III to Philip Arridaios (323); and Arridaios to Alexander IV (317). A comprehensive tabulation of the regnal years of the final years of the empire (340–304) has now become possible. It is presented at the end.

The above kings were all Pharaohs of Egypt, but Artaxerxes II only for a few years at the beginning of his reign and Artaxerxes III only for a few months at the end of his reign. Of only few rulers of Egypt from before the Roman conquest of 30

B.C.E. is the date of death day-exact, that is, can the distance in time between the day of death and the present day be determined by an exact integer number of days on the basis of an explicit rationale involving a high degree of probability. Obviously, this number of days increases by one day every day as time advances. The number of Pharaohs in question now increases from three to five. Xerxes I (*died* 4 Aug 465) and Arridaios (*d*. 26 Dec 317) join Psammetichus II (*d*. 9 Feb 589), Alexander the Great (*d*. 11 Jun 323), and Ptolemy VIII Euergetes II (*d*. 28 June 116). All five rulers belong to foreign dynasties or dynasties of foreign origin. Xerxes I was a Persian and Alexander and Arridaios were Macedonians. Psammetichus II belonged to a dynasty of Libyan origin and Ptolemy VIII Euergetes II to a dynasty of Macedonian origin.

[XIV. (as author) *Viva Rosetta! Demotic Grammar in the Twenty-first Century: Problems and Prospects.* About 105,000 words. Completed. One more revision desirable.

The whole world knows the Rosetta Stone. But how many people know that its center portion is inscribed with a language called Demotic? And who cares that Demotic seems to be one of the world's least studied written idioms (especially if one considers that so many Demotic texts are extant) or that it is a stage of a language, Egyptian, whose history is the longest attested of any ever spoken? In comparison with Demotic, the other stages—Old, Middle, and Late Egyptian, which precede Demotic, and Coptic, which follows it—have received more attention over the decades.

   One eminent obstacle to the study of Demotic is the Demotic script. Difficulties pertaining to script loom so large in the study of Demotic that one is in danger of forgetting that Demotic is also a language.

   And yet, in the last ten to fifteen years, the publication of various valuable new tools has greatly improved access to the corpus of extant Demotic texts: a companion to the field of Demotic studies, an introduction to Demotic literature, anthologies of texts in translation, a description of Egyptian culture in light of the Demotic sources, and the ever expanding *Demotische Datenbank*. Several other developments, to be detailed, also bode well for the study of Demotic grammar.

   The study of Demotic grammar benefits not only Demotists. As the longest attested language of all, Egyptian is an extraordinary laboratory for the study of language evolution. The Middle Egyptian stage has over the decades received disproportionate attention owing to its high status as the stage in which Middle Egyptian literature in the strict sense was born and as a classical idiom imitated and emulated down to the end of Egyptian history. However, the second half of the history of Egyptian, encompassing the stages Late Egyptian, Demotic, and Coptic, is much more transparently and amply documented than the first, which consists of Old and Middle Egyptian. The second half of the history of Egyptian offers much superior conditions for the study of language evolution. Certain factors serve as barriers to the joint study of Late Egyptian, Demotic, and Coptic. On the one hand, Coptic is embedded in an entirely different culture, the world of Late Antiquity and early Christianity. On the other hand, Demotic is embedded partly in Classical antiquity and its script is difficult or perceived as difficult.

   Inevitably, the road from Late Egyptian to Coptic passes through Demotic. Anyone traveling that road therefore better get off at Demotic and check out where the action is. Such is a principal design of this book.

   After a portrayal of how the study of Demotic grammar has fared in the last 10 to 15 years, that is, since about the International Conference of Demotic Studies held at Copenhagen in 1999, solutions are proposed for various problems pertaining to the principal problem area of Demotic grammar. This problem area consists of a set of morphologically and orthographically similar or identical and mostly vocalic grammatical morphemes that are known, since H.J. Polotsky, as either converters or conjugation bases. The morphemes typically correspond to Alphas or Epsilons with an occasional Ro in Coptic. The graphic elements *jw* and *jw.jr* are ubiquitous in the Demotic writing of the morphemes. A bibliography of recent work on Demotic grammar is provided at the end of the paper.**]**

X–B. (As author) *Fundamentals of Egyptian Grammar*, Part 1: *Elements*. Reprint with Minor Corrections and Additions. Frog Publishing: Norton, Mass., 2012. Pp. 934 (CI + 833). E-book and hard copy. Hard copy: ISBN 978-0-9674751-1-0. E-book: ISBN 978-0-9674751-2-7. E-pub format: ISBN 978-0-9674751-3-4.

Engagement with the original edition of 1999 by the author and others have produced only little need for change. This reissue is therefore characterized as a "reprint with minor corrections and additions." A detailed list of all the changes is provided for the benefit of owners and users of the original edition. Reflections on a review of the original edition and on what lies beyond the "elements" of Middle Egyptian grammar are also offered. Meanwhile, learning the elements of Middle Egyptian using this textbook leaves one free to imagine the verbal system according to any theory that might strike one's fancy. A sample syllabus for a one-semester three-time-a-week class and a sample test have been added for the benefit of teachers.

XV. (author) *Prolegomena to the Complete Physical and Mathematical Theory of Rational Human Intelligence in Boolean, Lagrangian, and Maxwellian Mode.* Scientific Research Publishing: China, Wuhan, Hubei Province,

The main design of the present book is to reprint—and thus facilitate access to—five articles published in two of the journals published by Scientific Research Publishing (SCIRP), more specifically four articles that appeared in *Advances in Pure Mathematics* and one that appeared in the *International Journal of Intelligence Science*. In these articles, certain preliminary reflections on the nature of rational human intelligence have been presented. My ultimate aim is to describe all of rational human intelligence. But it seemed good to take stock of where this whole effort is now at by uniting what has been done so far.

A subsidiary aim of the present book is to provide some context to the five articles by adding a Retrospective and a Preface to their republication.

In the Retrospective, a number of observations are presented revolving around the question: What is rational human intelligence? And also, perhaps more importantly in this early phase of the description of the complete theory, around the converse question: What is it not? One good test allowing one to distinguish rational human intelligence from other forms of human intelligence is as follows. Other forms of human intelligence tend to differ from one human being to another. Rational human intelligence is just about the same in all human beings who are capable of rational thought, which is most of humankind. And so it should if it is truly physical and mathematical.

In the Preface that follows the present Foreword, an attempt is made to show how all of rational human intelligence can be derived from a single principle, in a way somewhat analogous to how J.-L. Lagrange derived all of the physics of matter and motion (as J. C. Maxwell calls it in his celebrated book entitled *Matter and Motion*), or also of mass and motion, or also of mechanics, from a single principle in his *Mécanique analytique*.

It is then indicated how this single principle is exploited in the five flavors in which rational human intelligence comes, as far as I can see at this time. In addition, there are combinations of the five flavors. The five flavors are as follows: 1) Contrast Digitality (ConDi); 2) Selection Digitality (SelDi); 3) Nexus Digitality (NexDi); 4) Certification Digitality (CerDi); and 5) Supplement Digitality (SupDi).

One striking feature that differentiates my approach from G. Boole's is that I treat the theory of rational human intelligence as a pure theory of physics and also call it that. It is a theory of physics with its own mathematics. And the mathematics in question was established for the first time in great part by G. Boole.

Rational human intelligence has everything to do with human beings and their brains. But it is important to keep the human element out of the theory of rational human intelligence because the theory is physical and mathematical. Likewise, the laws of gravity may affect human beings. But the laws transcend the human dimension because they are physical and mathematical.

(Blurb from Back of the Book, Adapted from the Acknowledgments and the Conclusion)
Rational human intelligence has preoccupied the author since the late 1990s, when he became acquainted with G. Boole's *Laws of Thought.* But for a long while, it was not clear to him what he was doing: Cognitive Science? Linguistics? Logic? Philosophy? G. Boole seems to have thought that he was doing mathematics. Then, in late 2012, it became evident that the theory of rational human intelligence is a theory of physics with its own mathematics. Much is owed to J. C. Maxwell in reaching this conclusion. Later, in the summer of 2014, it became apparent that all of rational human intelligence developed in the brain by exploitation of a single physical principle. J.-L. Lagrange likewise derives all of the physics of mass and motion from a single principle. Meanwhile, the author's study of rational human intelligence had branched out into mathematics. When SCIRP proposed to publish the resulting mathematical articles together as a book, it seemed opportune to take stock of where the whole effort is at by describing the developments of 2012 and 2014 in the book's front matter and outline the five digitalities making up rational human intelligence: Contrast Digitality, Selection Digitality, Nexus Digitality, Certification Digitality, and Supplement Digitality. Rational human intelligence is the common platform on which all rational minds meet. When one walks up to another human being speaking the same language, one expects to be understood. And that in spite of all kinds of differences in terms of other types of intelligence, such as emotional intelligence, kinetic intelligence, musical intelligence, and so on. And also in spite of differences in terms of knowledge. Rational human intelligence is the same in all people. That is why it is mathematical. It is a kind of operating system. It is now generally assumed that G. Boole tried to explain how we think rationally and failed. The position taken here differs radically. He took us much of the way there. His theories would have been worth not one, but two, Nobel prizes in physics. Just as I. Newton described the motions of celestial bodies in the universe, G. Boole described the motions of rational-thought-and-language in the brain, the most complex structure in the universe.

[*b. Chapters in books*

Treated as articles and incorporated into 5.c below.**]**

c. Refereed articles

Most of the following 140 or so items aim to produce new knowledge on an empirical basis or, in some cases, report on it in encyclopedias. An effort is made to state what they seek to prove, that is, their point, explicitly and clearly at the outset. An articulated line of argument then sets forth how the evidence proves the point. The refereeing has been mostly administered by an editor and an editorial board who may or may not consult outside referees. Almost all of the following items are academic at least in the sense that they are published under the auspices of academic institutions or academic presses. Some special categories among what is actually published are as follows. (1) Articles published under the auspices of an academic institution and cited in scholarly publications, but produced with minimal interference: nos. 1, 23, 75, and 80. (2) Review articles solicited by journal editors: nos. 10, 16, 60, 67, 88, 93, and 101. (3) Contributions to the acts of scholarly conferences: nos. 11, 12, 85, 87, 89, 95, 100, 104, 119, 120, 122, 124, 128, 129, and 131. (4) Contributions to volumes in honor or memory of established scholars or academic institutions: nos. 19, 37, 52, 59, 62, 66, 79, 84, 96, 103, 110, and 112. (5) Contributions to scholarly handbooks: nos. 97, 98, and 123. (6) Entries in academic encyclopedias: nos. 68, 69, 70, 94, 102, 114, 115, and 116. (7) Entries in encyclopedias for a wider public: nos. 105, 106, 107, 108, and 109. [To be updated.]

1982
1. Coffin Texts [IV] 414 j–k: Aspects of Syntax. *Göttinger Miszellen* (Göttingen) 58: 15–25.

1983
2. The Standard Theory of the "Emphatic" Forms in Classical (Middle) Egyptian: a Historical Survey. *Orientalia Lovaniensia Periodica* (Leuven) 14: 13–54.

1985
3. À propos de la notion de mouvement en copte et en égyptien. *Chronique d'Égypte* (Brussels) 60 (dedicated to Professor Jean Bingen): 85–95.
4. The Double Definite Article in Bohairic. *Enchoria: Zeitschrift für Demotistik und Koptologie* (Würzburg) 13: 51–63.
5. Possessivpronomina und Possessivausdrücke im Koptischen. *Enchoria: Zeitschrift für Demotistik und Koptologie* (Würzburg) 13: 207–9.
6. On the Notion of Movement in Egypto-Coptic and Biblical Hebrew. In *Pharaonic Egypt, the Bible and Christianity*, ed. Sarah Israelit-Groll. Pp. 30–37. Jerusalem: The Magnes Press, The Hebrew University.
7. Two Notes on the Coptic Language: 1. Considering the Possibility of Nasal Plosion in Coptic. 2. The Codex Scheide: A Superior Coptic Version of the Gospel of Matthew. *Orientalia Lovaniensia Periodica* (Leuven) 16: 131–40.
8. "Voir" et "regarder" en copte: étude synchronique et diachronique. *Revue d'Égyptologie* (Paris) 36: 35–42.

1986
9. The Semantic Structure of *jw*–ⲉⲓ "come" and *šm*–ⲃⲱⲕ "go." In *Essays on Egyptian Grammar*, ed. William Kelly Simpson. Pp. 22–30. Yale Egyptological Studies 1. New Haven, Connecticut: Yale Egyptological Seminar.
10. Specificity or Emphasis in Egyptian and Coptic Nominal Sentences? [Review article of John Callender, *Studies in the Nominal Sentence in Egyptian and Coptic*, University of California Publications, Studies 24 (Berkeley, Los Angeles, and London: University of California Press, 1984).] *Chronique d'Égypte* (Brussels) 61: 358–67.
11. The Emphatic Nominal Sentence in Egyptian and Coptic. In *Crossroad: Chaos or the Beginning of a New Paradigm: Papers from the Conference on Egyptian Grammar, Helsingør 28–30 May 1986*, ed. Gertie Englund and Paul John Frandsen. Pp. 91–117. CNI Publications 1. Copenhagen: The Carsten Niebuhr Institute of Ancient Near Eastern Studies.

1987

12. The Emphatic Nominal Sentence in Egyptian and Coptic. *Orientalia* (Rome) 56: 37–54. Same as no. 11, with minor alterations. The article had been accepted for *Orientalia*, when it was deemed desirable to publish it also in the acts of the conference at which it was read.

13. Zum Passiv im Ägyptischen. *Orientalia* (Rome) 56: 129–35.

1988

14. Die "Verben des Sehens": Semantische Grundzüge am Beispiel des Aegyptischen. *Orientalia* (Rome) 57: 1–13.

15. The End of *ḫr=f sḏm=f* in the Heqanakhte Letters. *Revue d'Égyptologie* (Paris) 39: 204–8.

16. New Horizons in Coptic and Egyptian Linguistics. [Review article of Ariel Shisha-Halevy, *Coptic Grammatical Categories: Structural Studies in the Syntax of Shenoutean Sahidic*, Analecta Orientalia 53 (Rome: Pontificium Institutum Biblicum, 1986).] *Chronique d'Égypte* (Brussels) 63: 391–406.

1989

17. The Contingent Tenses of Egyptian. *Orientalia* (Rome) 58: 1–27.

1990

18. 297 AD as Beginning of the First Indiction Cycle. *The Bulletin of the American Society of Papyrologists* 24 (Atlanta) (issue of 1987, published in 1990): 137–39.

19. ꜥOnchsheshonqy 2,13 and 4,1–2: A Philological Note. In *Studies in Egyptology Presented to Miriam Lichtheim*, ed. Sarah Israelit-Groll. Pp. 116–21. Jerusalem: The Magnes Press, The Hebrew University.

20. In Sinuthium graecum. *Orientalia* (Rome) 59: 67–71.

1991

21. Late Egyptian *jnn*, "if," and the Conditional Clause in Egyptian. *The Journal of Egyptian Archaeology* (Oxford) 78: 69–78.

22. Isolating and Distinctive Emphasis in Egyptian and in General. *Lingua Aegyptia: Journal of Egyptian Language Studies* (Göttingen) 1: 33–56.

1992

23. Der Fall des "Hintersichschauers." *Göttinger Miszellen* (Göttingen) 126: 33–38.

24. A Leaf from the Coptic Life of St. Samuel of Qalamun at the J. Paul Getty Museum. *Le Muséon* (Louvain-la-Neuve) 105: 275–81.

1993

25. A History of Research on the Prospective *sḏm.f* in Middle Egyptian. *Journal of the American Research Center in Egypt* (New York) 30: 11–31.

26. Zur Bedeutung der Partikeln *jsk* und *js*. *Göttinger Miszellen* (Göttingen) 136: 11–25.

27. For the Sake of ογωϣ, 'Love': An Exception to the Stern-Jernstedt Rule and Its History. *The Journal of Egyptian Archaeology* (Oxford) 79: 282–86.

28. The Date of Piye's Egyptian Campaign and the Chronology of the Twenty-fifth Dynasty. *The Journal of Egyptian Archaeology* (Oxford) 79: 269–74.

29. On Coptic Sounds. *Orientalia* (Rome) 62: 338–75.

30. "Wisdom Made A Weapon": On Manichaeism in Egypt. *Chronique d'Égypte* (Brussels) 78 (dedicated to the memory of Professor Jozef Vergote): 301–15.

31. A Note on Teaching and Learning Egyptian. *Lingua Aegyptia: Journal of Egyptian Language Studies* (Göttingen) 3: 1–5.

1994

32. On the Nature of the Hieroglyphic Script. *Zeitschrift für ägyptische Sprache und Altertumskunde* (Leipzig) 121: 17–36.

33. Apis Burials in the Twenty-fifth Dynasty. *Göttinger Miszellen* (Göttingen) 138: 23–25.

34. On a Late Egyptian and Demotic Idiom. *Revue d'Égyptologie* (Paris) 45: 49–73.

35. A New Generation of Teaching Grammars of Egyptian (1987–93). *Orientalia Lovaniensia Periodica* 25: 275–76.

36. A Demotic Table of Terms. *Enchoria. Zeitschrift für Demotistik und Koptologie* (Würzburg) 21: 1–7.

37. A Homily on the Virtues of Saint Longinus Attributed to Basil of Pemje. In *Coptology: Past, Present, and Future. Studies in Honour of Rodolphe Kasser*, ed. Søren Giversen, Martin Krause, and Peter Nagel. Pp. 267–91. Orientalia Lovaniensia Analecta 61. Leuven: Uitgeverij Peeters.

1995

38. Murder in Memphis: The Story of Cambyses's Mortal Wounding of the Apis Bull (ca. 523 B.C.E.). *Journal of Near Eastern Studies* (Chicago) 54: 119–26.

39. Sentence Pattern and Verb Form: Egyptian Grammar since Polotsky. *Le Muséon* (Louvain-la-Neuve) 108: 39–48.

40. Champollion's Ideogram and Saussure's *signe linguistique*. *Orientalia* (Rome) 64: 1–11.

41. Evidence for Accession Dating under the Achaemenids. *Journal of the American Oriental Society* (Ann Arbor) 115: 193–204.

42. On the Empirical Distinctness of Certain Adverbial Clauses in Old and Middle Egyptian. *Chronique d'Égypte* (Brussels) 80 (dedicated to the memory of Professor Aristide Théodoridès): 18–33.

43. On the Consistency of the Wandering Year as Backbone of Egyptian Chronology. *Journal of the American Research Center in Egypt* (New York) 32: 43–58.

44. The Date of Death of Artaxerxes I. *Welt des Orients* (Göttingen) 26: 86–96.

45. Regnal Years and Civil Calendar in Achaemenid Egypt. *The Journal of Egyptian Archaeology* (Oxford) 81: 151–73.

46. Condition and Premise in Middle Egyptian. *Revue d'Égyptologie* (Paris) 46: 81–88.

47. On the Stative Ending *tj* / *tj* / *t* in Middle Egyptian. *Orientalia Lovaniensia Periodica* (Leuven) 26: 21–27.

48. "More Valuable Than All Gold": Ptolemy's Royal Canon and Babylonian Chronology. *Journal of Cuneiform Studies* (Atlanta) 47: 97–117.

1996

49. Twixt Relative Verb Form and Passive Participle in Egyptian. *Zeitschrift der Deutschen Morgenländischen Gesellschaft* (Stuttgart) 146: 1–24.

50. The Function of the Ebers Calendar Concordance. *Orientalia* (Rome) 65: 61–88.

51. On an Egyptianism in Akkadian. *Orientalia Lovaniensia Periodica* (Leuven) 27: 23–27.

52. Egyptian Regnal Dating under Cambyses and the Date of the Persian Conquest. In *Studies in Honor of William Kelly Simpson*. Pp. 179–90. Boston: Museum of Fine Arts, Department of Ancient Egyptian, Nubian, and Near Eastern Art.

53. The Egyptian and Athenian Dates of Meton's Observation of the Solstice. *Ancient Society* (Leuven) 27: 27–45.

54. The "Etymology" of the Name Aïda. *Orientalia Lovaniensia Periodica* (Leuven) 27: 177–79.

1997

55. Four Thousand Years of Evolution: On a Law of Historical Change in Ancient Egyptian. *Journal of Near Eastern Studies* (Chicago) 56: 21–35.

56. On Contiguity in Middle and Late Egyptian. *Zeitschrift für ägyptische Sprache und Altertumskunde* (Leipzig) 124: 23–37.

57. Agent-less Indirect Adjectival Verb Forms in Egyptian and Arabic: The Case of *jrrw n.f* and *maf^cūl lahu* "For Whom One Acts." *Journal of the American Oriental Society* (Ann Arbor) 117: 487–505.

58. The Time of Death of Alexander the Great: 11 June 323 B.C. (–322), ca. 4:00–5:00 PM. *Die Welt des Orients* (Tübingen/Göttingen) 28: 117–35.

1998

59. The Hieroglyphic Representation of the Moon's Absence (*Psḏntyw*). In *Ancient Egyptian and Mediterranean Studies in Memory of William A. Ward*, ed. Leonard H. Lesko. Pp. 71–89. Providence, Rhode Island: Department of Egyptology.

60. Ancient Egyptian Star Clocks and Their Theory. [Article occasioned by Christian Leitz's *Altägyptische Sternuhren*. With a contribution by Heinz-J. Thissen. Orientalia Lovaniensia Analecta 62 (Leuven: Uitgeverij Peeters en Departement Oriëntalistiek, 1995).] *Bibliotheca Orientalis* (Leiden) 55: 5–44.

61. Events Engaged in the Grammatical Tango of Contiguity: The Case of the Preposition *ḏr*. *Journal of the American Research Center in Egypt* (New York) 35: 73–88.

62. The Meaning of *Jw* in Old and Middle Egyptian in light of the Distinction between Narration and Discussion. In *Jerusalem Studies in Egyptology* (in honor of 25 years Department of Egyptology at the Hebrew University of Jerusalem), ed. Irene Shirun-Grumach. Pp. 19–36. Ägypten und Altes Testament 40. Wiesbaden: Harrassowitz.

63. "Far toward": A Common Hieroglyphic Idiom. *Journal of Ancient Civilizations* (Northeast Normal University, Changchun, Jilin Province, P. R. China) 13: 39–46.

64. Word-splitting Forces in Egyptian. *Orientalia* (Rome) 67: 231–36.

65. Gnomons at Meroë and Early Trigonometry. *The Journal of Egyptian Archaeology* (Oxford) 84: 171–80.

66. The Demotic Mathematical Astronomical Papyrus Carlsberg 9 Reinterpreted. In *Egyptian Religion. The Last Thousand Years. Studies Dedicated to the Memory of Jan Quaegebeur*, ed. Willy Clarysse, Antoon Schoors, and Harco Willems. Pp. 1277–97. Orientalia Lovaniensia Analecta 84–85. Leuven: Uitgeverij Peeters en Departement Oosterse Studies.

67. On the Grammar of Demotic Sacerdotal Decrees. [Review article of R.S. Simpson, *Demotic Grammar in the Ptolemaic Sacerdotal Decrees*, Griffith Institute Monographs (Oxford: Griffith Institute, Ashmolean Museum, 1996).] *Chronique d'Égypte* (Brussels) 73: 54–65.

1999

68. Egyptian (language), Decipherment of. In *Encyclopedia of the Archaeology of Ancient Egypt*, ed. Kathryn A. Bard. Pp. 271–74. London and New York: Routledge.

69. Rosetta Stone. In *Encyclopedia of the Archaeology of Ancient Egypt*, ed. Kathryn A. Bard. Pp. 686–87. London and New York: Routledge.

70. Textual Sources: New Kingdom. In *Encyclopedia of the Archaeology of Ancient Egypt*, ed. Kathryn A. Bard. Pp. 798–801. London and New York: Routledge.

71. The Two Problems of the Month Names. *Revue d'Égyptologie* (Paris) 50: 107–33.

72. Analyzing the Use of Idioms Past (with Special Focus on Sovereign Nubia). *Studien zur altägyptischen Kultur* (Hamburg) 27: 33–63.

73. Condition and Premise in Egyptian and Elsewhere and the Laws of Thought in Expanded Boolean Algebra. *Zeitschrift für ägyptische Sprache und Altertumskunde* (Leipzig) 126: 97–111.

74. Egyptian "Split" Genitives and Related Phenomena: Exotic Debris from Conflicting Forces. *Le Muséon: Revue d'Études Orientales* (Louvain-la-Neuve) 112: 273–99.

75. Contrast in Egyptian and in General and the Laws of Thought in Boolean Algebra. *Göttinger Beiträge zur Sprachwissenschaft* (Göttingen) 2: 37–60.

2000

76. Sothic Chronology and the Old Kingdom. *Journal of the American Research Center in Egypt* (Atlanta) 37: 167–86.

77. Late Egyptian Sentences with Two Subordinate Clauses but No Main Clause. *Lingua Aegyptia* (Göttingen) 7: 125–40.

78. Demotic Script and Demotic Grammar: A Peculiar Case Involving *hyn* "Some." *Enchoria: Zeitschrift für Demotistik und Koptologie* (Würzburg) 26: 31–40.

2001

79. "Of Their Monuments They Made One for an Esteemed Colleague . . .": On the Meaning of a Formulaic Expression in Egyptian. In *Structuring Egyptian Syntax: A Tribute to Sarah Israelit-Groll*, ed. Orly Goldwasser and Deborah Sweeney. *Lingua Aegyptia* (Göttingen) 9: 83–122.

80. Synchrony and Diachrony: The Speaker/Observer Dichotomy. *Göttinger Beiträge zur Sprachwissenschaft* (Göttingen) 5: 21–31.

81. Demotic Script and Demotic Grammar (II): Dummy Prepositions Preceding Infinitives. *Enchoria: Zeitschrift für Demotistik und Koptologie* (Würzburg) 27: 3–35.

82. Glosses to Jerome's Eusebios as a Source for Pharaonic History. *Chronique d'Égypte* (Brussels) 76: 30–47.

83. The Meaning of the Coptic Particle ⲣⲱ. *Journal of Coptic Studies* (Leuven) 3: 113–28.

84. What Is Certain about the Origin of the Egyptian Civil Calendar? In *"Le lotus qui sort de terre": Mélanges offerts à Edith Varga*, ed. Hedvig Győry. Pp. 81–94. Budapest: Museum of Fine Arts.

2002

85. Eight Exotic Phenomena of Later Egyptian Explained. In *Acts of the Seventh International Conference of Demotic Studies, Copenhagen, 23–27 August 1999*, ed. Kim Ryholt. Pp. 101–29. CNI Publications, 27. Copenhagen: The Carsten Niebuhr Institute.

86. The Date of Death of Jesus of Nazareth. *Journal of the American Oriental Society* (Ann Arbor) 122: 466–80.

87. History of the ḥeleq. In *Under One Sky: Astronomy and Mathematics in the Ancient Near East*, ed. John M. Steele and Annette Imhausen. Alter Orient und Altes Testament 297. Pp. 79–107. Münster: Ugarit-Verlag.

88. A New Coptic Grammar. [Review article of Bentley Layton, *A Coptic Grammar*, Porta Linguarum Orientalium 20 (Wiesbaden: Otto Harrassowitz Verlag, 2000).] *The Journal of the American Oriental Society* (Ann Arbor) 122: 807–15.

2003

89. Ancient and Medieval Sources and Mechanism of the Calendrical Practice of *Yom Tov Sheni Shel Galuyyot*. In *Life and Culture in the Ancient Near East*, ed. Richard Averbeck, Mark Chavalas, and David Weisberg. Pp. 435–70. Bethesda, MD: CDL Press.

90. The Origin of the Egyptian Suffix Conjugation. *Lingua Aegyptia* (Göttingen) 11: 23–47.

91. Demotic Script and Demotic Grammar (III): *R-ḥr.f* "on them" in *Mythus* 18,7. *Enchoria: Zeitschrift für Demotistik und Koptologie* (Würzburg) 28 (2002–3): 7–18.

92. Esna's Triple New Year. *Journal of the American Research Center in Egypt* (Atlanta) 40: 55–67.

2005

93. Egyptian Reconstituted. [Review article of Åke Engsheden, *La reconstitution du verbe en égyptien de tradition 400–30 avant J.-C*, Uppsala Studies in Egyptology, 3 (Uppsala: Akademitryck AB [Edsbruck], 2003).] *Bibliotheca Orientalis* (Leiden) 62: 20–29. For a report on typographical errors resulting from an absence of proofs, see *Bibliotheca Orientalis* 63 (2006): 84.

94. Egypt, Egyptians. In *Dictionary of the Old Testament, Historical Books*, ed. Bill T. Arnold and H.G.M. Williamson. Pp. 237–46. InterVarsity Press: Downers Grove, Illinois and Leicester, England.

95. The Shifting Foundation of Ancient Chronology. In *Modern Trends in European Egyptology: Papers from a Session Held at the European Association of Archaeologists Ninth Annual Meeting in St. Petersburg 2003*, ed. Amanda-Alice Maravelia. Pp. 53–62. British Archaeological Reports S1448. Oxford: Archaeopress.

2006

96. Von "schlafen" zu "liegen": Markierungsverlust als ein Hauptgesetz der ägyptischen Sprachentwicklung. In *Coptica – Gnostica – Manichaeica. Mélanges offerts à Wolf-Peter Funk*, ed. Louis Painchaud and Paul-Hubert Poirier. Pp. 123–33. Bibliothèque copte de Nag Hammadi, Section «Études», 7. Louvain/Paris: Peeters.

97. Saite and Persian Egypt, 664–332 BC (Dynasties 26–31, Psammetichus I to Alexander's Conquest of Egypt). In *Ancient Egyptian Chronology*, ed. Eric Hornung, Rolf Krauss, and David A. Warburton. Handbook of Oriental Studies, I.83. Pp. 265–83. Leiden and Boston: E.J. Brill.

98. Foundations of Day-exact Chronology. In *Ancient Egyptian Chronology*, ed. Eric Hornung, Rolf Krauss, and David A. Warburton. Handbook of Oriental Studies I.83. Pp. 458–470. Leiden and Boston: E.J. Brill.

99. Classical Syriac Manuscripts at Yale University: A Check List. *Hugoye: Journal of Syriac Studies* 9.2 (electronic [syrcom.cua.com/hugoye] and hard copy).

100. Our Knowledge of Egyptian and Coptic since Polotsky. *Lingua Aegyptia* (Göttingen) 14 (acts of the conference *"After Polotsky": New Research and Trends in Egyptian and Coptic Linguistics*, ed. Verena M. Lepper, in cooperation with Peter Nagel & Wolfgang Schenkel): 17–29.

101. Cataloguing the Egyptian Verb: On a Selective Grammatical Concordance of De Buck's *Coffin Texts.* [Review article of Rami Van der Molen, *An Analytical Concordance of the Verb, the Negation and the Syntax in Egyptian Coffin Texts*, 2 vols., Handbuch der Orientalistik, Section 1, vol. 77 (Leiden: Brill Academic Publishers, 2005).] *Bibiotheca Orientalis* (Leiden) 53: 468–75.

102. Egypt, ancient: scripts. In *Encyclopedia of Language and Linguistics, 2nd Edition.* Pp. 85–86. Amsterdam: Elsevier.

2007

103. Questions and Related Phenomena in Coptic and in General: Final Definitions Based on Boole's Laws of Thought. In *The World of Early Egyptian Christianity: Language, Literature, and Social Context. Essays in Honor of David W. Johnson*, ed. James E. Goehring and Janet A. Timbie. Catholic University of America Studies in Early Christianity. Pp. 72–94. Washington, D.C.: The Catholic University of America Press.

104. Calendars and Years in Ancient Egypt: The Soundness of Egyptian and West Asian Chronology in 1500–500 BC and the Consistency of the Egyptian 365-Day Wandering Year. In *Calendars and Years: Astronomy and Time in the Ancient Near East*, ed. John M. Steele. Pp. 35–81. Oxford: Oxbow Books.

105. Astronomy: Egypt. In *Encyclopedia of Society and Culture in the Ancient World*, ed. Peter Bogucki. Pp. 124–26. New York: Facts On File.

106. Calendars and Clocks: Egypt. Ibid.: 165–66.

107. Language: Egypt. Ibid.: 611–12.

108. Science (adapted by Tom Streissgut). Ibid.: 925–29.

109. Writing. Ibid.: 1184–85.

2008

110. Ancient Chronology's Alpha and Egyptian Chronology's Debt to Babylon. In *From the Banks of the Euphrates: Studies in Honor of Alice Louise Slotsky*, ed. Micah Ross. Pp. 35–50. Winona Lake, Indiana: Eisenbrauns.

111. Function and Significance of the Ebers Calendar's Lone Feast-Hieroglyph (Gardiner Sign-list W3). *Journal of Egyptian History* (Leiden and Boston) 1: 117–38.

112. The Function of the Particle *jḫ* in Old and Middle Egyptian. In *Egypt and Beyond: Essays Presented to Leonard H. Lesko*, ed. Stephen E. Thompson and Peter Der Manuelian. Pp. 91–108. Providence, Rhode Island: Department of Egyptology and Ancient Western Asian Studies.

113. Zum Nebeneinander von An- und Abwesenheit der Gemination in der Wendung *mrjj jt.f mrrw snw.f. Lingua Aegyptia* (Göttingen) 16: 27–38.

114. Blatausis (and Cynchris). In *The Encyclopedia of Ancient Natural Scientists*, ed. Paul T. Keyser and Georgia L. Irby-Massie. P. 194. London and New York: Routledge.

115. Demotic Scientific Texts. In *The Encyclopedia of Ancient Natural Scientists*, ed. Paul T. Keyser and Georgia L. Irby-Massie. Pp. 240–41. London and New York: Routledge.

116. Papyrus London 98. In *The Encyclopedia of Ancient Natural Scientists*, ed. Paul T. Keyser and Georgia L. Irby-Massie. P. 618. London and New York: Routledge.

117. Late Egyptian *bn n.f* and *mn mdj.f* "He has no." *Revue d'Égyptologie* (Paris) 59: 111–24.

2009

118. From Twice Helix to Double Helix: A Comprehensive Model for Egyptian Calendar History. *Journal of Egyptian History* (Leiden and Boston) 2.1–2: 115–47.

119. The Conjunctive in Egyptian and Coptic: Towards a Final Definition in Boolean Terms. In *Afroasiatic Studies in Memory of Robert Hetzron: Proceedings of the 35th Annual Meeting of the North American Conference on Afroasiatic Linguistics*, ed. Charles G. Häberl. Pp. 12–30. Newcastle upon Tyne: Cambridge Scholars Publishing.

120. Demotic Script and Demotic Language (IV): Consolidation of a New Rule of Grammar Differentiating Demotic from Coptic. In *Actes du IXe congrès international des études démotiques, Paris, 31 août – 3 septembre 2005*, ed. Ghislaine Widmer and Didier Devauchelle. Pp. 103–21. Bibliothèque d'Étude 147. Cairo: Institut français d'Archéologie orientale.

121. From "My Body" to "Myself" to "As For Me" to "Me Too": Philological and Digital Analysis of a Triple Shift in Egyptian. *Journal of the American Research Center in Egypt* (San Antonio) 45: 247–90.

122. Towards the Full Digitalization of Grammar: The Case of the Egyptian and Coptic Nominal Sentence. *Lingua Aegyptia* (Göttingen) 17 (*Proceedings of the Fourth International Conference on Egyptian Grammar ["Crossroads IV"], Basel, March 19–22, 2009)*, ed. Matthias Müller and Sami Uljas): 27–50.

2010

123. Coptic and Coptic Literature. In *A Companion to Ancient Egypt*, 2 vols., ed. Alan B. Lloyd. Vol. 2: 732–54. Blackwell Companions to the Ancient World. Chichester, Sussex: Wiley-Blackwell.

124. Ancient Egyptian Star Tables: A Reinterpretation of Their Fundamental Structure. In: *Writings of Early Scholars in the Ancient Near East, Egypt, Rome, and Greece: Translating Ancient Scientific Texts*, ed. Annette Imhausen and Tanja Pommerening. Pp. 241–76. Beiträge zur Altertumskunde 286. Berlin and New York: Walter De Gruyter.

125. New Date for the Second Persian Conquest and the End of Pharaonic and Manethonian Egypt: 340/39 B.C.E. *Journal of Egyptian History* (Leiden and Boston) 3.2: 191–230.

126. The Double Genitive Particle in Latest Late Egyptian, Demotic, and Coptic. *Revue d'Égyptologie* (Paris) 61: 43–77.

2011

127. The Monty Hall Problem and Beyond: Digital-Mathematical and Cognitive Analysis in Boole's Algebra, Including an Extension and Generalization to Related Cases. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2011.14027; published in pdf, html, epub, and hard copy), vol. 1, no. 4: 136–54.

128. Zu Lehr- und Lernbarkeit des mittelägyptischen Verbs: Wieviele typisch mittelägyptische *sḏm.f*-Formen gibt es eigentlich? Neun! In *Methodik und Didaktik in der Ägyptologie: Herausforderungen eines kulturwissenschaftlichen Paradigmenwechsels in den Altertumswissenschaften*, ed. Alexandra Verbovsek, Burkhard Backes, and Catherine Jones. Pp. 481-508. Ägyptologie und Kulturwissenschaft 4. Munich: Wilhelm Fink.

129. Zur unausweichlichen Digitalisierung der Sprachbetrachtung: „Allein", „anderer", „auch", „einziger", „(seiner)seits", und „selbst" als digitales Wortfeld im Ägyptisch-Koptischen und im Allgemeinen ("On the Unavoidable Digitalization of Language Analysis: "Alone," "Other," "Also," "Only," "On (his) part," and "Self" as a Lexical Field of Digital Purport in Egyptian-Coptic and in General"). In *Lexical Fields, Semantics and Lexicography*, ed. Anke Ilona Blöbaum, Kathrin Butt, and Ines Köhler. Pp. 5–38. Aegyptiaca Monasteriensia 7. Aachen: Shaker Verlag.

2012

130. Higher Variations of the Monty Hall Problem (3.0, 4.0) and Empirical Definition of the Phenomenon of Mathematics, in Boole's Footsteps, as Something the Brain Does. With an Appendix by Richard D. Gill. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2012.24034; published in pdf, html, epub, and hard copy), vol. 2, no. 4: 243–273.

131. Why Greek Lunar Months Began a Day Later than Egyptian Lunar Months, Both before First Visibility of the New Crescent. In *Living the Lunar Calendar*, ed. Jonathan Ben-Dov, Wayne Horowitz, and John M. Steele. Pp. 119–71. Oxford: Oxbow.

132. To Comma or Not to Comma: The Mathematics of the Relative Clause, All Types, via Boole and Venn. *International Journal of Intelligence Science* (peer-reviewed open access journal published by Scientific Research Publishing; doi: 104236/ijis.2012.24015; http://www.scirp.org/journal/ijis; also published in print), vol. 2, no. 4: 106–114.

133. Calendar, Ancient Near East. In *The Encyclopedia of Ancient History*, First edition, ed. Roger S. Bagnall, Kai Brodersen, Craig B. Champion, Andrew Erskine, and Sabine R. Hueber. Pp. 1255–1258. Blackwell Publishing.

2013

134. The Mathematical and Physical Theory of Rational Human Intelligence: Complete Empirical-Digital Properties; Full Electrochemical-Mechanical Model (Part I: Mathematical Foundations). *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2013.35071; published in pdf, html, epub, and hard copy), vol. 3, no. 5: 491–561.

135. No. A231273 (rational component of the numerator of a close variant of Euler's infinite prime product p^2n/p^(2n)–1, with all minus changed into plus, as follows: p^2n/p^(2n)+1) and No. A231327 (denominator of a close variant of Euler's infinite prime product p^2n/p^2n–1, namely with all minus changed into plus, as follows: p^2n/p^(2n)+1). In *The Online Encyclopedia of Integer Sequences* (go to www.oeis.org, search for "A231273," "A231327," or "Depuydt").

2014

136. The Alleged *Gospel of Jesus' Wife*: Assessment and Evaluation. *Harvard Theological Review* (Cambridge University Press) 107: 172–189.

137. The Demoticity of Latest Late Egyptian. In *Acts of the Tenth International Congress of Demotic Studies, Leuven, 26–30 August 2008*, ed. Mark Depauw and Yanne Broux. Pp. 27–42. Orientalia Lovaniensia Analecta 231. Leuven, Paris, Walpole, MA: Uitgeverij Peeters en Departement Oosterse Studies.

138. The Prime Sequence: Demonstrably Highly Organized While Also Opaque and Incomputable—with Remarks on Riemann's Hypothesis, Partition, Goldbach's Conjecture, Euclid on Primes, Euclid's Fifth Postulate, Wilson's Theorem along with Lagrange's Proof of It and Pascal's Triangle, and Rational Human Intelligence. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2014.48051; published in pdf, html, epub, and hard copy), vol. 4, no. 8: 400–466.

139. A246447 at www.oeis.org.

2015

140. The Morphology and Syntax of a Demotic Debt Construction. In *Mélanges offerts à Ola El-Aguizy*, ed. Fayza Haikal. Pp. 101–11. Bibliothèque d'Étude 164. Cairo: Institut français d'Archéologie orientale.

141. The Literature of the Copts and the Contributions of Monsignor Hyvernat to the Study of the Subject (Fourth Annual Henri Hyvernat Lecture). *Advances in Historical Studies* (open access journal published by Scientific Research Publishing http://www.scirp.org/ahs; http://dx.doi.org/10.4236/ahs.2015.44022; also published in print), vol. 4: 320–335.

2016

142. The Regnal Years of the "Mathematical Astronomical" Demotic Papyrus Carlsberg 9 Reinterpreted. In *Rich and Great: Studies in Honour of Anthony J. Spalinger on the Occasion of his 70th Feast of Thoth*, ed. Renata Landgráfová and Jana Mynářová. Pp. 39–60. Prague: Charles University Faculty of Arts.

2017

143. Apropos $1 + 2 + 3 + 4 + 5 + \cdots = -\frac{1}{12}$: Mapping Infinity in light of the Number Circle (or Cycle), in L. Euler's Footsteps and with the Aid of Two Dimensional Infinite Series, and Replacing Negative Infinity and Positive Infinity with Just Infinity. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2014.48051; published in pdf, html, epub, and hard copy), vol. 7, no. 1: 75–133.

144. On Fuzzy Boundaries and Razor Sharp Boundaries, and Something on Bari. [Review article of *Fs. Loprieno*.] *Bibliotheca Orientalis* 74: 5–45.

145. A New Verb Form in Coptic. In *From Gnostics to Monastics: Studies in Coptic and Early Christianity in Honor of Bentley Layton*, ed. David Brakke, Stephen J. Davis, and Stephen Emmel. Pp. 213–44. Orientalia Lovaniensia Analecta 263. Leuven, Paris, Bristol, CT: Peeters.

146. The Calendars and the Year-counts of Ancient Egypt. *Chronique d'Égypte* (Brussels) 92: 271–294.

147. The Science and Medicine of the Ancient Egyptians: A Synopsis. *Bibliotheca Orientalis* (Leiden) 74: 472–489.

2019

148. Egyptian Hieroglyphic Writing in Boole's, Saussure's, and Maxwell's Footsteps. In *Dialogue of Four Pristine Writing Systems*, ed. Kuang Yu Chen, Dietrich Tschanz, and Ching-Tu. Pp. 65–81. Confucius Institute of Rutgers University

149. Contrastive *jw.jr*, Conditional *jw.jr*, Temporal *jw.jr*: On Separating a Grammatical Siamese Triplet. *Chronique d'Égypte* (Brussels) 94: 5–48.

2021

150. The Physical Laws and Mathematical Axioms of the Brain's OS and the Traditional Fundamental Laws of Thought of Logic and Philosophy. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/apm]; doi of article: 10.4236/apm.2021.1112064; published in pdf, html, epub, and hard copy), vol. 11, no. 12: 988–1039.

2022

151. Neutral Tone in Chinese: A Comprehensive Theory Bridging East and West. *Open Journal of Modern Linguistics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/ojml]; doi of article: 10.4236/ojml.2022.126053; published in pdf, html, epub, and hard copy), vol. 12, no. 6: 768–789.

152. Past Study of Enclitics in Indo-European and Egyptian: Some Biobibliographical Detail (As Supplement to "Neutral Tone in Chinese" [see no. **151** above]. *Open Journal of Modern Linguistics* (peer-reviewed open access journal published by Scientific Research Publishing [http://www.scirp.org/journal/ojml]; doi of article: 10.4236/ojml.2022.126054; published in pdf, html, epub, and hard copy), vol. 12, no. 6: 790-798.

2023

153. Demotic Orthography and Grammar, Inextricably Intertwined: *N3*(.)w in *n3w*(.ḏd.f), *wn.n3.w*, and *jn.n3.w*. For the Festschrift James P. Allen. **Just out.**

IN PRESS; PUBLICATION SCHEDULED FOR SPRING 2023

154. In Pascal's and Boole's Footsteps: Measuring the Mathematical Probability of Genetic Kinship between Language Families, especially the Oldest Attested One by far between Semitic and Egyptian (with a Note on Chadic). For the Conference "Rethinking the Origins" held at Brown University in spring 2018. Developed from the "Concluding Remarks" for this Conference.

IN PROGRESS

155. Journey Around the Number Circle, Across Infinity and Back: Convergent, Divergent, Oscillating, and "Grandi" Infinite Sums as a Harmonious Whole. For *Advances in Pure Mathematics.*

More or less complete

156. Dating First Millennium BCE Egypt: The Elements. Accepted by *Bibliotheca Orientalis*.

d. Non-refereed articles, including popular items

157. A summary of the argument of no. 38 appeared as a one-page column in the magazine *Archaeology* in 1996.

158. How to Date a Pharaoh. *Archaeology Odyssey*, 2005 (July/August): 27–33.

159. Counting the Hours: Somebody Had to Divide up the Day, but Why the Number 24? *Archaeology Odyssey* 2005 (September/October): 6–7.

160. Wann regierte Echnaton? *Spektrum der Wissenschaft* (German counterpart of *Scientific American*) of December 2008, 78–87.

161. Coptic: Egypt's Christian Language. *Biblical Archaeology Review* of November/December 2015, 53–61.

e. Book reviews

1983

162. Of Jean-Marie Kruchten's *Études de syntaxe néo-égyptienne: les verbes ꜥḥꜥ, ḥmsi et sḏr en néo-égyptien*, Annuaires de l'Institut de Philologie et d'Histoire Orientales et Slaves, Supplément 1 (Brussels: Éditions de l'Université de Bruxelles, 1982), in *Bibliotheca Orientalis* (Leiden) 40: 593–96.

1984

163. Of Elmar Edel's *Hieroglyphische Inschriften des Alten Reiches*, Abhandlungen der Rheinisch-Westfälischen Akademie der Wissenschaften, 67 (Opladen: Westdeutscher Verlag, 1981), in *Chronique d'Égypte* (Brussels) 59: 266–68.

164. Of Melvin K.H. Peeters' *A Critical Edition of the Coptic (Bohairic) Pentateuch*, vol. 5: *Deuteronomy*, SBL Septuagint and Cognate Studies Series, 15 (Atlanta: Scholars Press, 1983), in *Ephemerides Theologicae Lovanienses* (Leuven) 60: 144–45.

165. Of A.M. Bakir's *Notes on Late Egyptian Grammar: A Semitic Approach* (Warminster: Aris & Phillips Ltd., 1983), in *Bibliotheca Orientalis* (Leiden) 41: 595–99.

1985

166. Of Jacques-É. Ménard's *Le Traité sur la Resurrection*, Bibliothèque copte de Nag Hammadi, Section "Textes," 12 (Laval, Québec: Les Presses de l'Université Laval, 1983), and of Yvonne Jannsens, *Les Leçons de Silvanos*, Bibliothèque copte de Nag Hammadi, Section "Textes," 13 (Laval, Québec: Les Presses de l'Université Laval, 1983), in *Codices Manuscripti* (Vienna) 1: 36–37.

167. Of Jacques.-É. Ménard's *L'Exposé Valentinien. Les Fragments sur le Baptême et sur l'Eucharistie*, Bibliothèque copte de Nag Hammadi, Section "Textes," 14. Laval (Laval, Québec: Les Presses de l'Université Laval, 1985), in *Codices Manuscripti* (Vienna) 11: 78–79.

1987

168. Of Elmar Edel's *Die Inschriften der Grabfronten der Siut-Gräber in Mittelägypten aus der Herakleopolitenzeit: eine Wiederherstellung nach den Zeichnungen der Description de l'Égypte*, Abhandungen der Rheinisch-Westfälischen Akademie der Wissenschaften, 71 (Opladen: Westdeutscher Verlag, 1984), in *Bibliotheca Orientalis* (Leiden) 22: 426–27.

169. Of Françoise Morard's *L'Apocalypse d'Adam*, Bibliothèque copte de Nag Hammadi, Section "Textes," 15 (Laval, Québec: Les Presses de l'Université Laval, 1985), in *Orientalia Lovaniensia Periodica* (Leuven) 18: 232.

1990

170. Of Michael Green's *The Coptic* share *Pattern and Its Ancient Egyptian Ancestors: A Reassessment of the Aorist Pattern in the Egyptian Language* (Warminster: Aris & Phillips Ltd., 1987), in *Chronique d'Égypte* (Brussels) 65: 186–92.

1992

171. Of Friedrich Junge's *"Emphasis" and Sentential Meaning in Middle Egyptian*, Göttinger Orientforschungen, IV.20 (Wiesbaden: Otto Harrassowitz, 1989), in *Journal of the American Oriental Society* (Ann Arbor) 112: 330–33.

172. Of Monika R.M. Hasitzka's *Corpus Papyrorum Raineri Archeducis Austriae*, vol. 12: *Koptische Texte* (Vienna: Verlag Brüder Hollinek, 1987), in *Chronique d'Égypte* (Brussels) 57: 389–90.

1993

173. Of Ariel Shisha-Halevy's *Coptic Grammatical Chrestomathy: A Course for Academic and Private Study*, Orientalia Lovaniensia Analecta 30 (Leuven: Peeters, 1988), in *Journal of the American Oriental Society* (Ann Arbor) 113: 281–82.

174. Of Gesine Schenke's *Die dreigestaltige Protennoia (NagHammadi–Codex XIII)*, Texte und Untersuchungen zur Geschichte der Altchristlichen Literatur, 132 (Berlin: Akademie-Verlag, 1984), in *Chronique d'Égypte* (Brussels) 78 (dedicated to the memory of Professor Jozef Vergote): 350–53.

1995

175. Of Werner Vycichl's *La vocalisation de la langue égyptienne*, vol. 1: *La phonétique*, Bibliothèque d'Étude, 16 (Cairo: Institut français d'Archéologie orientale, 1990), in *Bibliotheca Orientalis* (Leiden) 52: 316–17.

176. Of Alla I. Elanskaya's *The Literary Coptic Manuscripts in the A.S. Pushkin State Fine Arts Museum in Moscow*, Supplements to Vigiliae Christianae, 18 (Leiden: E.J. Brill, 1994), in *Le Muséon* (Louvain-la-Neuve) 108: 425–26.

1996

177. Of David O'Connor's *Ancient Nubia: Egypt's Rival in Africa*, Philadelphia: The University Museum of Archaeology and Anthropology, University of Pennsylvania, 1993), in *Journal of the American Oriental Society* 116: 531–32.

178. Of Ariel Shisha-Halevy's *The Proper Name: Structural Prolegomena to Its Syntax – A Case Study in Coptic*, Beihefte zur Wiener Zeitschrift für die Kunde des Morgenlandes, 15 (Vienna: Verband der wissenschaftlichen Gesellschaften Österreichs, 1989), in *Bibliotheca Orientalis* (Leiden) 53: 469–71.

1998

179. Of Marshall Clagett's *Ancient Egyptian Science*, vol. 2: *Calendars, Clocks, and Astronomy*, Memoirs of the American Philosophical Society, 214 (Philadelphia: American Philosophical Society, 1995), in *Journal of the American Oriental Society* (Ann Arbor) 118: 75–76.

180. Of Orly Goldwasser's *From Icon to Metaphor: Studies in the Semiotics of the Hieroglyphs*, Orbis Biblicus et Orientalis, 142 (Fribourg: University Press, and Göttingen: Vandenhoeck & Ruprecht 1995), in *Journal of the American Oriental Society* (Ann Arbor) 118: 289–90.

1999

181. Of Jürgen von Beckerath's *Chronologie des pharaonischen Ägypten: Die Zeitbestimmung der ägyptischen Geschichte von der Vorzeit bis 332 v.Chr.*, Münchner Ägyptologische Studien, 46 (Mainz am Rhein: Verlag Philipp von Zabern, 1997), in *Die Welt des Orients* ((Tübingen/Göttingen) 30: 143–51.

182. Of William J. Murnane's *Texts from the Amarna Period in Egypt*, ed. Edmund S. Meltzer, Society of Biblical Literature Writings from the Ancient World 5 (Atlanta, Georgia: Scholars Press, 1995), in *Journal of Near Eastern Studies* (Chicago) 58: 311–13.

183. Of John L. Foster's *Hymns, Prayers, and Songs: An Anthology of Ancient Egyptian Poetry*, Society of Biblical Literature Writings from the Ancient World, 8 (Atlanta, Georgia: Scholars Press, 1995), in *Journal of Near Eastern Studies* (Chicago) 58: 208–10.

184. Of Boyo Ockinga's *Mittelägyptische Grundgrammatik: Abriss der mittelägyptischen Grammatik von Hellmut Brunner in Neubearbeitung* (Mainz: Verlag Philipp von Zabern, 1998), in *Journal of the American Oriental Society* (Ann Arbor) 57: 81–85.

2000

185. Of Rolf Krauß's *Astronomische Konzepte und Jenseitsvorstellungen in den Pyramidentexten*, Ägyptologische Abhandlungen, 59 (Wiesbaden: Verlag Otto Harrassowitz, 1997), in *Bibliotheca Orientalis* (Leiden) 57: 81–85.

186. Of *Textcorpus und Wörterbuch. Aspekte zur ägyptischen Lexikographie*, ed. Stefan Grunert and Ingelore Hafemann, Probleme der Ägyptologie, 14 (Leiden: E.J. Brill, 1999), in *Journal of the American Oriental Society* (Ann Arbor) 120: 662–64.

187. Of Erik Hornung's *The Ancient Egyptian Books of the Afterlife*, translated from the German by David Lorton (Ithaca and London: Cornell University Press, 1999), in *Journal of the American Research in Egypt* (Ann Arbor) 37: 213–14.

2001

188. Of Jacqueline Lustman's *Étude grammaticale du papyrus Bremner-Rhind* (Paris: J. Lustman, 1999), in *Bibliotheca Orientalis* (Leiden) 58: 80–83.

189. Of Richard Smith's *A Concise Coptic-English Lexicon*, second edition, Society of Biblical Literature Resources for Biblical Study, 35 (Atlanta, Georgia: Scholars Press, 1999), in *Journal of the American Oriental Society* (Ann Arbor) 121: 289–90.

2002

190. Of Erhart Graefe's *Mittelägyptisch: Grammatik für Anfänger* (Wiesbaden: Otto Harrassowitz Verlag, 2001), in *Journal of the American Oriental Society* (Ann Arbor) 122: 602–4.

191. Of Marshall Clagett's *Ancient Egyptian Science. Volume Three: Ancient Egyptian Mathematics*, Memoirs of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge, 232 (Philadelphia: American Philosophical Society, 1999), in *Journal of the Near Eastern Studies* (Chicago) 61: 290–91.

192. Of Alexandra von Lieven's *Der Himmel über Esna: Eine Fallstudie zur religiösen Astronomie in Ägypten,* Ägyptologische Abhandlungen, 64 (Wiesbaden: Otto Harrassowitz Verlag, 2000), in *Journal of the American Oriental Society* (Ann Arbor) 122: 892–93.

2003

193. Of *Gold of Praise: Studies on Ancient Egypt in Honor of Edward F. Wente*, ed. Emily Teeter and John A. Larson, Studies in Ancient Oriental Civilization, 58 (Chicago, Illinois: The Oriental Institute of the University of Chicago, 1999), in *Journal of the Near Eastern Studies* (Chicago) 62: 147–50.

194. Of Eleanor Robson's *Mesopotamian Mathematics, 2100–1600 BC: Technical Constants in Bureaucracy and Education*, Oxford Editions of Cuneiform Texts, 14 (Oxford: Clarendon Press, 1999), in *Journal of the Near Eastern Studies* (Chicago) 62: 231–32.

195. Of Hans-Martin Schenke's *Das Matthäus-Evangelium im mittelägyptischen Dialekt des Koptischen (Codex Schøyen)*, Coptic Papyri in the Schøyen Collection, 1 (Oslo: Hermes Academic Publishing, 2001), in *Bibliotheca Orientalis* (Leiden) 60: 628–32.

196. Of Annette Imhausen's *Ägyptische Algorithmen: Eine Untersuchung zu den mittelägyptischen mathematischen Aufgabentexten*. Ägyptologische Abhandlungen, 65 (Wiesbaden: Otto Harrassowitz Verlag, 2003), in *Journal of the American Oriental Society* (Ann Arbor) 123: 877–80.

197. Of Lynn E. Rose's *Sun, Moon, and Sothis: A Study of Calendars and Calendar Reforms in Ancient Egypt* (Deerfield Beach, Florida: Kronos Press, 1999), in *Chronique d'Égypte* (Brussels) 78: 181–83.

2004

198. Of Holger Kockelmann's *Die Toponymen- und Kultnamenlisten zur Tempelanlage von Dendera nach den hieroglyphischen Inschriften von Edfu und Dendera.* Die Inschriften des Tempels von Edfu, Begleithefte 3 (Wiesbaden: Otto Harrassowitz Verlag, 2002), in *Journal of the American Oriental Society* (Ann Arbor) 124: 142–44.

2005

199. Of Jochem Kahl's *Frühägyptisches Wörterbuch*. Unter Mitarbeit von Markus Bretschneider und Barbara Kneißler. Fascicle 3, H–X (pp. 281–376) (Wiesbaden: Harrassowitz Verlag, 2004), in *Journal of the American Oriental Society* (Ann Arbor) 125: 441–42.

2006

200. Of Chantal Heurtel's *Les inscriptions coptes et grecques du temple d'Hathor à Deir al-Médîna*. Bibliothèque d'études coptes, 16 (Cairo: Institut français d'archéologie orientale, 2004), in *Journal of the American Oriental Society* (Ann Arbor) 126: 263–65.

201. Of Bentley Layton's *A Coptic Grammar*, Second Edition, Revised and Expanded. Porta Linguarum Orientalium, 20 (Wiesbaden: Otto Harrassowitz Verlag, 2004), in *Journal of the American Oriental Society* (Ann Arbor) 126: 298–99.

202. Of Guillaume Bonjour's *Elementa linguae copticae. Grammaire inédite du XVIIe siècle*, ed. Sydney H. Aufrère and Nathalie Bosson. Cahiers d'orientalisme, 24 (Geneva: Patrick Cramer Éditeur, 2005), in *Journal of the American Oriental Society* (Ann Arbor) 126: 596–98

203. Of Dieter Kurth's *Edfou VII*. Die Inschriften des Tempels von Edfu. Abteilung I, Übersetzungen, vol. 2 (Wiesbaden: Harrassowitz Verlag, 2004), in *Journal of the American Oriental Society* (Ann Arbor) 126: 598–601.

2007

204. Of Pierre Grandet's *Catalogue des ostraca hiératiques non littéraires de Deîr el-Médînéh*, IX: *N°s 831–1000*, Documents de Fouilles de l'Institut français d'Archéologie orientale, 41 (Cairo: IFAO, 2003), in *Journal of Near Eastern Studies* (Chicago) 66: 296–98.

2008

205. Of Jöran Friberg's *Unexpected Links between Egyptian and Babylonian Mathematics* (Singapore: World Scientific Publishing, 2005), in *The Mathematical Intelligencer* (New York) 30/3: 1–3.

206. Of Jean Winand, *Temps et aspect en égyptien: Une approche sémantique*, Probleme der Ägyptologie, 25 (Leiden and Boston: Brill, 2006), in *Journal of the American Oriental Society* (Ann Arbor) 128: 364–69.

207. Of Sami Uljas's *The Model System of Earlier Egyptian Complement Clauses: A Study in Pragmatics in a Dead Language*, Probleme der Ägyptologie, 26 (Leiden and Boston: Brill, 2007), in

208. Of Val Hinckley Sederholm's *Papyrus British Museum 10808 and Its Cultural and Religious Setting*, Probleme der Ägyptologie, 24 (Leiden and Boston: Brill, 2006), in *Lingua Aegyptia* 16: 349–54.

2009

209. Of Gábor Takács's *Etymological Dictionary of Egyptian*, vol. 3: *m–* (Leiden and Boston: Brill, 2008), in *Journal of the American Oriental Society* (Ann Arbor) 129: 679–82.

2010

210. Of Wim Zitman's *Het Horus Enigma. Ontdekking van de tijd in het oude Egypte* (Zutphen: Walburg Pers, 2009), in *Studium* (Belgian-Dutch journal for the history of sciences and universities) 1: 41–42.

2016

211. Of Eliese-Sophia Lincke's *Die Prinzipien der Klassifizierung im Altägyptischen*, Göttinger Orientforschungen, vol. IV/38 (Wiesbaden: Harrassowitz Verlag, 2011), in *Journal of the American Oriental Society* (Ann Arbor) 136: 207–9.

212. Of *Lexical Semantics in Ancient Egyptian*, ed. Eitan Grossman, Stéphane Polis, and Jean Winand, Lingua Aegyptia Studia Monographica, 9 (Hamburg: Widmaier Verlag, 2012), in *Journal of the American Oriental Society* (Ann Arbor) 136: 204–6.

2017

213. Of *Dating of Middle Egyptian Texts ("Dating Egyptian Literary Texts," Volume 1),* ed. Gerald Moers, Kai Widmaier, Antonia Gieuwekemeyer, Arndt Lümers, and Ralf Ernst, Lingua Aegyptia Studia Monographica, 11 (Hamburg: Widmaier Verlag, 2013) and Andreas Stauder, *Linguistic Dating of Middle Egyptian Literary ("Dating Egyptian Literary Texts," Volume 2),* Lingua Aegyptia Studia Monographica 12 (Hamburg: Widmaier Verlag, 2013), in *Journal of the American Oriental Society* (Ann Arbor) 137: 585–88.

2021

214. Of Antonio Loprieno's, Matthias Müller's, and Sami Uljas's, *Non-verbal Predication in Ancient Egyptian*, The Mouton Companions to Ancient Egyptian 2 (Berlin/Boston; Walter de Gruyter GmbH 2017), in *Lingua Aegyptia* 29: 321–28 .

Submitted; fate not clear (maybe to be published elsewhere)

215. Of C. Philipp E. Nothaft's *Dating the Passion: The Life of Jesus and the Emergence of Scientific Chronology (200–1600),* Time, Astronomy, and Calendars, Texts and Studies, vol. 1 (Leiden and Boston: Brill, 2012), for *Journal of the American Oriental Society.*

e. Abstracts

Abstracts were produced for almost all the papers listed in 5.f and 5.g below, have been preserved in electronic form in most cases, and are available upon request.

f. Invited lectures

[The references in square brackets are to the corresponding published results listed in sections 5.a and 5.c above. Some more recent papers report on research still in progress. Mention of an institution between parentheses in both sections g and h indicates involvement in the organization even though the meeting was not held in its buildings. More precise dates for the presentation of many papers are found in the footnotes to the publications associated with the papers (see above).]

25. New Brunswick, New Jersey, May 30, 2015, The Confucius Institute of Rutgers University, International Conference on the Chinese Writing System and Its Dialogue with Sumerian, Egyptian, and Mesoamerican Writing Systems, "The Scientific Theory of (Egyptian) Hieroglyphic Writing in Boole's, Saussure's, and Maxwell's Footsteps" [See no. **148**.]

24. Washington, D.C., March 26, 2015, The Department of Semitic and Egyptian Languages and Literatures, The Fourth Annual Henri Hyvernat Lecture, "The Literature of the Copts and the Contributions of Monsignor Henri Hyvernat to the Study of the Subject." [See no. **141**.]

23. Stanford, California, September 2012, Stanford University, School of Medicine, Department of Bioengineering, Second Workshop "Human Document Project," "Report to (the Year) 1,002,012: The Structure of Rational Human Intelligence in 2012."

22. Toronto, Ontario, 28 April 2011, University of Toronto, Department of Near & Middle Eastern Civilizations, Information and Discussion Session "Does It All Add Up? Quantitative Reasoning (QR) in the Humanities," "The Inevitable Digitization of Language Analysis."

21. Münster, Germany, November 2010, Westfälische Wilhelms-Universität, Institut für Ägyptologie und Koptologie, Workshop on "Lexical Fields, Semantics and Lexicography," "Die unausweichliche Digitalisierung der Sprachbetrachtung: Der Fall des ägyptisch-koptischen Wortschatzes." Keynote lecture (Eröffnungsvortrag). [See no. **129**.]

20. Saarbrücken, Germany, 30 June–2 July 2010, "How the Biological Brain Reasons: The Four Key Digital Operations of Language as Thought," Korean Institute of Science and Technology (KIST) Europe, Forschungsgesellschaft mbH, Universität des Saarlandes, Workshop "The Human Document Project – How to Document Our Human Culture to an Intelligent Being in One Million Years." [Publication in preparation.]

19. Mainz, Germany, July 2009, Johannes-Gutenberg Universität, Symposium "Writings of Early Scholars in the Ancient Near East: Zur Übersetzbarkeit von Wissenschaftssprachen des Altertums," "Egyptian Star Tables (ca. 2100–1900 and 1200–1100 BCE), the World's Oldest Astronomical Writings: A Reinterpretation of Their Fundamental Structure." [See no. **124**.]

18. Basel, Switzerland, March 2009, Universität Basel, "Crossroads 2009 Basel (Crossroads IV): The Conference on Egyptian Linguistics, "Towards the Full Digitalization of the Analysis of the Nominal Sentence in Egyptian and Coptic." [See no. **122**.]

17. Munich, Germany, July 2008, Ludwig-Maximilians-Universität, Symposium "Ägyptologie und Kulturwissenschaft," "Zu Lehr- und Lernbarkeit des mittelägyptischen Verbs: Wieviele Verbalformen gibt es denn?" [See no. **128**.]

16. Vancouver, British Columbia, April 2008, The University of British Columbia, Symposium "In Search of Egypt's Past: Problems and Perspectives of the Historiography of Ancient Egypt" (marking the inauguration of the *Journal of Egyptian History*, "The Double Helix Calendar: Attempt at Consolidating a Hypothesis." [See no. **118**.]

15. Cambridge, Mass., 20 March 2008, Harvard University, Semitic Philology Workshop of the Department of Near Eastern Languages and Civilizations, "Relative Clauses in Egyptian and in General: Final Definitions of All Types, via Boole and Venn." [Publication in preparation. Provisionally accessible on www.BestThinking.com.]

14. Berlin, Germany, 2 July 2007, Freie Universität Berlin, "Ägyptisch in Boolscher Fassung: Die fortschreitende Digitalisierung der Sprachbetrachtung nach einfachsten und gründlichsten Begriffen.*"*

13. Göttingen, Germany, 7 December 2006, Georg-August-Universität, "Knappe Anleitung zur Analyse des Finiten im ägyptischen Wortschatz." Also Proseminar on "Stellung und Bedeutung des Ebers-Kalenders in der Geschichte Ägyptens. Oder: Alles, was man über den Ebers-Kalender wissen möchte, und mehr." [For the latter, see no. **111**.]

12. Bonn, Germany, 9–11 September 2005, Rheinische Friedrich-Wilhelms-Universität, Centennial Symposium in Memory of H.J. Polotsky (9.13.1905–8.10.1991), Keynote Lecture entitled "Our Knowledge of Egyptian and Coptic since Polotsky." [See no. **100**.]

11. Southbend, Indiana, Notre Dame University, July 2005, Notre Dame Workshop on the History of Astronomy, Session on "Calendars and Years," "The Calendar Year in Ancient Egypt." [See no. **104**.]

10. Chicago, Illinois, The Art Institute of Chicago, 4 January 2000, "Time Odyssey 2000: A Brief History of 5000 Years of Calendar from the Dawn of Civilization to the Present."

9. New York, New York, 23–24 October 1999, Middle East Center of Columbia University in conjunction with the Egyptian American Professional Society and the Egyptian American Business Association, Conference on the Theme "Ancient Egypt / Modern Egypt: Continuity and Change," "Pharaonic, Muslim, Coptic Calendrics: The Key Problem of the Ancient Egyptian Calendar in Its Ancient and Modern Context."

8. Providence, Rhode Island, 10 December 1998, Brown University, "The Sothic Date from Illahun (19th century B.C.E.): A Re-examination of Egypt's, and the World's, 'Oldest Absolute Date'," a lecture "in the spirit of the Parker legacy." First Richard A. Parker (10.XII.1905–3.VI.1993) Memorial Lecture. Part of the program celebrating 50 years of Egyptology at Brown (1948–1998).

7. Münster, Germany, May 1995, Westfälische Wilhelms-Universität, "Was lehren uns Kolophone über die Geschichte der koptischen Kirche?"

6. Halle, Germany, June 1994, Martin-Luther-Universität Halle-Wittenberg, "Gedanken zur Herstellung eines Handbuchs der Silbenstrichsetzung koptischer Prägung."

5. Chicago, Illinois, April 1993, The Oriental Institute of the University of Chicago, "On FORCE and *S t r a i n* in the Evolution of Egyptian." [See no. **55, 64**.]

4. Providence, Rhode Island, May 1991, Brown University, "The Ancient Egyptian Literature of Pessimism."

3. Jerusalem, Israel, March 1991, Beit Belgia of The Hebrew University, Symposium on Manuscript Discoveries of the Twentieth Century, "Manuscript Finds in the Faiyum."

2. New Haven, Connecticut, November 1990, Yale University, Department of Near Eastern Languages and Civilizations, "Reconstructing the Egyptian Language: Materials from a Workshop of Egyptian Grammar." [See nos. **21, 40**.]

1. Jerusalem, Israel, April 1984, The Hebrew University, Symposium on the Bible and Pharaonic Egypt, "Concerning the Notion of Movement in Egyptian and Biblical Hebrew." [See no. **6**.]

g. Papers read

64. Berlin, Germany, September 2022. "The Essence and Genius of Chinese Syntax: Building on S. Julien's Seminal *Syntaxe nouvelle* (1869–1870)." 34th German Orientalistentag (held every 3 to 5 years), Centenary Meeting of the German Oriental Society.

63. Boston, Massachusetts, March 2022. "The Nature of the Neutral Tone in Chinese." Annual Meeting of the American Oriental Society.

62. Boston, Massachusetts (online), October 2021. *Nǔlì zhǔnquè fāyīn Pǔtōnghuà: Xīfāng chūxuézhě de yìxiē guānchá* "Struggling to Pronounce Mandarin Accurately: Observations by a Beginner from the West." 10th New England Chinese Language Teachers Association Annual International Conference.

61. Würzburg, Germany, end August–beginning September 2014, Julius-Maximilians-Universität, Seventh International Demotic Conference, "On a Few Select Problems of Demotic Grammar."

60. Oxford, England, end August–beginning September 2011, Eleventh International Congress of Demotic Studies, "Demotic Grammar in the Twenty-first Century: Propensities, Problems, Prospects." [See no. **XIV**.]

59. Jerusalem, Israel, end January–beginning February 2010, Bible Lands Museum Jerusalem, Conference "Living the Lunar Calendar" (held around full moon on Day 15 of Shvat)," "Why Lunar Months Began a Day or so Later in Ancient Greece than in Ancient Egypt." [See no. **131**.]

58. Leipzig, Germany, October 2008, Max-Planck-Institute for Evolutionary Anthropology and Egyptological Institute of the University of Leipzig, Symposium on Typology and the Egyptian-Coptic Language, "Types of Relative Clauses and Nominal Sentences in Egyptian and Coptic: Towards Final Definitions in Boolean and Vennian Terms." [Paper in press.]

57. Leuven and Brussels, Belgium, August 2008, Catholic University of Louvain and the Royal Academy of Belgium (delivered at the latter), Tenth International Congress of Demotic Studies, "The Demoticity of Late(r) Late Egyptian (*neoegiziano tardivo*, *néo-égyptien tardif*, *spätneuägyptisch*)." [Final proofs sent.]

56. Toulouse, France, May 2008, Université Toulouse III – Paul Sabatier, Laboratoire d'Astrophysique de Toulouse-Tarbes Observatoire Midi-Pyrénées, "Qu'est-ce que l'astronomie égyptienne?" (remarks at the occasion of the doctoral defense of Karine Gadré).

55. San Antonio, Texas, March 2007, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "The Conjunctive in Egyptian and Coptic: Towards a Final Definition in Boolean Terms." [See no. **XII**.]

54. Seattle, Washington, March 2006, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "From 'My Body' to 'Myself' to 'As For Me' to 'Me Too' in 3000 Years: A Peculiar Triple Shift in Meaning in Egyptian and Its Explanation." [See no. **121**.]

53. Paris, France, August–September 2005, Institut Catholique, Ninth International Congress of Demotic Studies, "False Statives in Demotic and Their History."

52. Philadelphia, Pennsylvania, March 2005, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "Sounds, Syllables, and Strokes: The Syllabic Superlineation System in Sahidic Coptic Manuscripts."

51. Tucson, Arizona, April 2004, Annual Meeting of the American Research Center in Egypt, (The University of Arizona,) "Four Millennia of Talking and Thinking like an Egyptian: Facts of Language Evidencing Growth in the Expression of Logical Thought." [See no. **XII**.]

50. San Diego, California, March 2004, Annual Meeting of the American Oriental Society, "First Crescent Visibility's Irrelevance: Additional Evidence, including from Babylonian Astronomical Texts."

49. San Diego, California, March 2004, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "Two Conditional Sentences of Earlier Egyptian and How Exactly They Differ." [See no. **XII**.]

48. (St. Petersburg, Russia, September 2003, Ninth Conference of the European Association for Egyptology, "The Shifting Foundation of Ancient Chronology." Abstract of paper submitted for Acts read in absentia.) [See no. **95**.]

47. Atlanta, Georgia, April 2003, Annual Meeting of the American Research Center in Egypt, "Esna's Triple New Year." Chaired session on Greco-Roman Egypt. [See no. **92**.]

46. Nashville, Tenessee, April 2003, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "Loss of Marking in Egyptian: A Dominant Trend of Language Evolution." Chaired session. Also chaired a session at concurrent Annual Meeting of the American Oriental Society. [See no. **96**.]

45. Würzburg, Germany, August 2002, Julius-Maximilians-Universität, Seventh International Demotic Conference, "How Many Sentence Types Are There in Demotic?" ("Wieviele Satzarten gibt es im Demotischen?"). [See no. **140**.]

44. Baltimore, Maryland, April 2002, The Johns Hopkins University, Annual Meeting of the American Research Center in Egypt, "The Meaning of the Particle jx." [See no. **112**.]

43. Houston, Texas, March 2002, Annual Meeting of the American Oriental Society, "The Day in Antiquity." Chair of Session II on Ancient Near Eastern History. [Publication in preparation.]

42. Houston, Texas, March 2002, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "False Statives of Verbs of Motion in Later Egyptian." Chair of the same session.

41. London, England, The British Museum, June 2001, Conference on the theme "Under One Sky: Astronomy and Mathematics in the Ancient Near East," "The Role of Ancient Astronomy in Ancient Chronology." [See no. **87**.]

40. Providence, Rhode Island, April 2001, (Brown University,) Annual Meeting of the American Research Center in Egypt, "Demotic Script and Demotic Grammar: Dummy Prepositions in front of Infinitives." [See no. **81**.]

39. Toronto, Ontario, March-April 2001, Annual Meeting of the American Oriental Society, "The Date of Death of Jesus of Nazareth (Friday, 18 March 29 C.E., *ca.* 3:00PM)." [See no. **86**.]

38. Toronto, Ontario, March-April 2001, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "Egyptian Verbs of Motion in Motion (3000 B.C.E.–1000 C.E.)."

37. Copenhagen, Denmark, August 1999, Carsten Niebuhr Institute of the University of Copenhagen, Seventh International Demotic Conference, "Direct Object Constructions in Demotic: Survey, Analysis, Problems." [See no. **85**.]

36. Chicago, Illinois, April 1999, (Oriental Institute of the University of Chicago,) Annual Meeting of the American Research Center in Egypt, "The Wag Festival, Borchardt's and Parker's Early Lunar Calendar, and Old and Middle Kingdom Chronology." [See no. **76**.]

35. Baltimore, Maryland, March 1999, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "Late Egyptian Sentences with Two Subordinate Clauses but No Main Clause: Transitional By-Products of a Dominant Shift in Egyptian." [See no. **77**.]

34. Baltimore, Maryland, March 1999, (Johns Hopkins University,) Annual Meeting of the American Oriental Society, "Tales from the Cusp of Relative and Absolute Egyptian Chronology: Did Taharqa Kill Shabataka?" Part of a panel on "Egypt in the Ancient Near East." [See no. **82**.]

33. Cincinnati Ohio, February 1999, Hebrew Union College–Jewish Institute of Religion, Annual Midwest Meeting of the American Oriental Society (jointly with the Midwest branches of the Society of Biblical Literature and the American Societies for Oriental Research), "Ancient and Medieval Sources and Mechanism of the Calendrical Practice of *Yom Tov Sheni Shel Galuyyot*." [See no. **89**.]

32. Boston, Massachusetts, August 1998, The Museum of Fine Arts, Ninth International Conference of the Society for Nubian Studies, "On Analyzing the Use of Idioms Past in Egyptian Texts (with Special Consideration for Texts from Nubia)." [See no. **72**.]

31. Los Angeles, California, April 1998, University of California at Los Angeles, Annual Meeting of the American Research Center in Egypt, "Indirect Proof (*Reductio ad Absurdum*) and Egyptian Grammar: The Case of sk/jsT and js." Chair of the Section on Language. [See no. **112**.]

30. New Orleans, Louisiana, April 1998, Annual Meeting of the American Oriental Society, "Alexander of Macedon (356–323 B.C.E.): The Chronology of His Life." [See no. **58**.]

29. New Orleans, Louisiana, April 1998, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "The Construction 'Her Womb of His Mother' in Later Egyptian and Semitic and Its Explanation." [See no. **74**.]

28. Ann Arbor, Michigan, April 1997, The University of Michigan at Ann Arbor, Annual Meeting of the American Research Center in Egypt, "On Stars and Cannibals: The Cannibal Hymn and Old, Middle, and New Kingdom Astronomy." [See no. **60**.]

27. Miami, Florida, March 1997, Annual Meeting of the American Oriental Society, "The Beginning(s) of Day and Month in Egypt and the Ancient World."

26. Miami, Florida, March 1997, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "The Origin and Development of the Ancient Egyptian Suffix Conjugation." [See no. **90**.]

25. Saint-Louis, Missouri, April 1996, (Washington University,) Annual Meeting of the American Research Center in Egypt, "The Function of the Ebers Calendar." [See no. **50**.]

24. Philadelphia, Pennsylvania, March 1996, (University of Pennsylvania,) Annual Meeting of the American Oriental Society, "How Many Calendars Were There in Ancient Egypt?" [See no. **IX**.]

23. Cambridge, England, September 1995, The University of Cambridge, Seventh International Congress of Egyptology, "4000 Years of Evolution: On a New Law of Word Order in Egyptian." [See no. **55, 64**.]

22. Salt Lake City, Utah, April 1995, Annual Meeting of the American Oriental Society, "Ptolemy's Royal Canon." [See no. **48**.]

21. Salt Lake City, Utah, March 1995, (The University of Utah,) Annual Meeting of the North American Conference of Afroasiatic Linguistics, "On Certain Participial Constructions in Arabic and Egyptian." [See no. **57**.]

20. Toronto, Ontario, April 1994, University of Toronto, Annual Meeting of the American Research Center in Egypt, "On the Consistency of the *Annus Vagus* as Backbone of Egyptian Chronology." [See no. **43**.]

19. Madison, Wisconsin, April 1994, (University of Wisconsin at Madison,) Annual Meeting of the American Oriental Society, "Regnal Dating in the Achaemenid Period: A Reassessment." [See no. **41**.]

18. Göttingen, Germany, July 1993, Georg-August-Universität, Ständige Ägyptologenkonferenz XXV (25th Annual Meeting of German-speaking Egyptologists), "Eine neue Art sprachlicher Grenzziehung: Die Funktion der Partikeln jsk und js"; Chair of the Section on Language. [See no. **26**.]

17. Baltimore, Delaware, April 1993, The Johns Hopkins University, Annual Meeting of the American Research Center in Egypt, "Thoughts on Teaching Egyptian." [See no. **34**.]

16. Chapel Hill, North Carolina, April 1993, Annual Meeting of the American Oriental Society, "The Grammar of Errors: Innovations and Hybrids on the Demise of the sDm.f." [See nos. **55, 64**.]

15. Seattle, Washington, April 1992, (University of Washington,) Annual Meeting of the American Research Center in Egypt, "The Future of Egyptian: The Prospective in Perspective." [See no. **25**.]

14. Cambridge, Massachusetts, April 1992, Harvard University, Annual Meeting of the North American Conference of Afroasiatic Linguistics, "An Exception to the Stern-Jernstedt Rule and Its History." [See no. **27**.]

13. Cambridge, Massachusetts, April 1992, (Harvard University,) Annual Meeting of the American Oriental Society, "Expressing Contiguous Events in Egyptian." [See no. **V**.]

12. Providence, Rhode Island, June 1991, Brown University, Syriac Studies Symposium: (1) "Moses bar Kepha's 'On Paradise' and the Beginning of Syriac Studies in Europe"; (2) "A Bilingual Writing Board in Syriac and Coptic from the Dakhleh Oasis." [See no. 97.]

11. Boston, Massachusetts, April 1991, (The Museum of Fine Arts,) Annual Meeting of the American Research Center in Egypt, "Piankhy's Conquest of Egypt and the Chronology of the Twenty-fifth Dynasty." [See no. **28**.]

10. Los Angeles, California, October 1990, UCLA, Second International Conference on Egyptian Grammar ("Crossroads II"), "Isolating and Distinctive Emphasis in Egyptian and Coptic and in General." [See no. **22**.]

9. Philadelphia, Pennsylvania, April 1989, The University Museum, The University of Pennsylvania, Annual Meeting of the American Research Center in Egypt, "The Function of the Conjunctive in Egyptian and Coptic." [See no. **V**.]

8. Cairo, Egypt, November 1988, Fifth International Congress of Egyptology, "The Contingent Tenses of Egyptian." [See no. **17**.]

7. Louvain-la-Neuve, Belgium, September 1988, Catholic University of Louvain, Fourth International Congress of Coptic Studies, "The Catalogue of the Pierpont Morgan Coptic Manuscripts." [See nos. **III–IV**.]

6. Helsingør near Copenhagen, Denmark, May 1986, First International Conference on Egyptian Grammar ("Crossroads I"), "The Emphatic Nominal Sentence in Coptic and Egyptian." [See nos. **11, 12**.]

5. Washington, D.C., April 1986, Annual Meeting of the American Research Center in Egypt, "The Emphatic Nominal Sentence in Coptic and Egyptian." [See nos. **11, 12**.]

4. New Haven, Connecticut, December 1985, Yale University, Symposium on Egyptian Grammar in Honor of H.J. Polotsky, "The Semantic Structure of jw/ei 'come' and šm/bōk 'go'." [See no. **9**.]

3. Munich, Germany, August 1985, Fourth International Congress of Egyptology, "Semantik und Religion: Der Fall des 'Hintersichschauers'." [See no. **23**.]

2. Warsaw, Poland, August 1984, Third International Congress of Coptic Studies, "Verbs of Seeing and Looking in Coptic." [See nos. **8, 14**.]

1. Tübingen, Germany, March 1983, Deutscher Orientalistentag, "Zum Passiv im Ägyptischen und Koptischen." [See no. **13**.]

Attendance at workshops

Demotic Summer School (three days), University of Heidelberg, Germany, August 2009.
"Demotic as Demotic: Problems and Perspectives in the Study of the Demotic Script" (one day), University of Trier, Germany, November 2010.

Lectures for the general public

● Washington, D.C., November 1994, American Research Center in Egypt, Local Chapter, "The Language and Writing of Ancient Egypt."

● Meriden-Wallingford, Connecticut, June 1991, Yale Club of Meriden-Wallingford, "Cracking the Hieroglyphic Code: Key to the Civilization of the Pharaohs."

g. Efforts towards the Digitalization of the Analysis of Rational Thought and Language, that is, of Rational Human Intelligence, as of September 2012 (culled from 5.a, 5.c, 5.f, and 5.g above)

<div align="right">

Thus our debt to this simple, quiet man, George Boole,
is extraordinarily great and probably not adequately repaid.
H.H. Goldstine, *The Computer from Pascal to von Neumann*, 1972, p. 37

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1999 Article	Condition and Premise in Egyptian and Elsewhere and the Laws of Thought in Expanded Boolean Algebra. *Zeitschrift für ägyptische Sprache und Altertumskunde (ZÄS)* 126: 97–111. Reprinted with slight modifications in *The Other Mathematics* (2008) (see below), 261–83.
1999 Article	Contrast in Egyptian and in General and the Laws of Thought in Boolean Algebra. *Göttinger Beiträge zur Sprachwissenschaft* 2: 37–60. Reprinted with slight modifications in *The Other Mathematics* (2008) (see below), 285–306.
2001 Article	The Meaning of the Coptic Particle ⲣⲱ. *Journal of Coptic Studies* (Leuven) 3: 113–28, at 127–28.
2004 Talk	Two Conditional Sentences of Earlier Egyptian and How Exactly They Differ. Read at the Annual Meeting of the North American Conference of Afroasiatic Linguistics, San Diego, California, March 2004. Published in *ZÄS* 126 (1999) (see above).
2004 Talk	Four Millennia of Talking and Thinking like an Egyptian: Facts of Language Evidencing Growth in the Expression of Logical Thought. Read at the Annual Meeting of the American Research Center in Egypt, Tucson, Arizona, April 2004. Published in *The Other Mathematics* (2008) (see below), 225–49.
2006 Talk	From "My Body" to "Myself" to "As For Me" to "Me Too" in 3000 Years: A Peculiar Triple Shift in Meaning in Egyptian and Its Explanation. Read at the Annual Meeting of the North American Conference of Afroasiatic Linguistics, Seattle, Washington, March 2006. Published in *JARCE* 45 (2009) (see below).
2007 Talk	The Conjunctive in Egyptian and Coptic: Towards a Final Definition in Boolean Terms. Read at the Annual Meeting of the North American Conference of Afroasiatic Linguistics, San Antonio, Texas, March 2007. Published in *Afroasiatic Studies* (2009) (see below).
2007 Talk	Ägyptisch in Boolscher Fassung: Die fortschreitende Digitalisierung der Sprachbetrachtung nach einfachsten und gründlichsten Begriffen. Read at the Freie Universität Berlin, Germany, 2 July 2007.
2007 Article	Questions and Related Phenomena in Coptic and in General: Final Definitions Based on Boole's Laws of Thought. In *The World of Early Egyptian Christianity: Language, Literature, and Social Context. Essays in Honor of David W. Johnson*, ed. James E. Goehring and Janet A. Timbie. Pp. 72–94. Washington, D.C.: Catholic University of America Press.
2008 Book	*The Other Mathematics: Language and Logic in Egyptian and in General*. Piscataway, New Jersey: Gorgias Press..
2008 Talk	Relative Clauses in Egyptian and in General: Final Definitions of All Types, via Boole and Venn. Read in the Semitic Philology Workshop of the Department of Near Eastern Languages and Civilizations, Harvard University, Cambridge, Mass., 20 March 2008. In press in the *International Journal of Intelligence Science* (see below).
2008 Talk	Types of Relative Clauses and Nominal Sentences in Egyptian and Coptic: Towards Final Definitions in Boolean and Vennian Terms." Read at a Symposium on Typology and the Egyptian-Coptic Language, Max-Planck-Institute for Evolutionary Anthropology (co-organized by the Institute of Egyptology of the University of Leipzig), Leipzig, Germany, October 2008. In press in the *International Journal of Intelligence Science* (see below).
2009 Talk	Towards the Full Digitalization of the Analysis of the Nominal Sentence in Egyptian and Coptic. Read at "Crossroads 2009 Basel (Crossroads IV): The Conference on Egyptian Linguistics," University of Basel, Switzerland, March 2009. Published in *Lingua Aegyptia* 17 (2009) (see below).
2009 Article	The Conjunctive in Egyptian and Coptic: Towards a Final Definition in Boolean Terms. In *Afroasiatic Studies in Memory of Robert Hetzron: Proceedings of the 35th Annual Meeting of the North American Conference on Afroasiatic Linguistics (NACAL*Tyne: Cambridge Scholars Publishing.

2009 Article Towards the Full Digitalization of Grammar: The Case of the Egyptian and Coptic Nominal Sentence. *Lingua Aegyptia: Journal of Egyptian Language Studies* 17: 27–50. *Lingua Aegyptia* 17 = *Proceedings of the Fourth International Conference on Egyptian Grammar ("Crossroads IV"), Basel, March 19–22, 2009*, ed. Matthias Müller and Sami Uljas.

2009 Article From "My Body" to "Myself" to "As For Me" to "Me Too": Philological and Digital Analysis of a Triple Shift in Egyptian. *Journal of the American Research Center in Egypt* 45: 247–90.

2009 Class The Other Mathematics: Language, Thought, and Probability in the Footsteps of Boole and Venn. Mini-seminar, 10 to 12 two-hour meetings, three registered participants, Winter/Spring semester, 2009, Brown University.

2010 Talk How the Biological Brain Reasons: The Four Key Digital Operations of Language as Thought. Read at the Korean Institute of Science and Technology (KIST) Europe, Forschungsgesellschaft mbH, Universität des Saarlandes, Workshop "The Human Document Project – How to Document Our Human Culture to an Intelligent Being in One Million Years" Saarbrücken, Germany, 30 June–2 July 2010.

2010 Talk Münster, Germany, November 2010, Westfälische Wilhelms-Universität, Institut für Ägyptologie und Koptologie, Workshop on "Lexical Fields, Semantics and Lexicography," "Die unausweichliche Digitalisierung der Sprachbetrachtung: Der Fall des ägyptisch-koptischen Wortschatzes." Keynote lecture (Eröffnungsvortrag). Published in *Lexical Fields* (see below).

2011 Article Zur unausweichlichen Digitalisierung der Sprachbetrachtung: „Allein", „anderer", „auch", „einziger", „(seiner)seits", und „selbst" als digitales Wortfeld im Ägyptisch-Koptischen und im Allgemeinen ("On the Unavoidable Digitalization of Language Analysis: "Alone," "Other," "Also," "Only," "On (his) part," and "Self" as a Lexical Field of Digital Purport in Egyptian-Coptic and in General"). In: *Lexical Fields, Semantics and Lexicography*, ed. Anke Ilona Blöbaum, Kathrin Butt, and Ines Köhler. Pp. 5–38. Aegyptiaca Monasteriensia 7. Aachen: Shaker Verlag.

2011 Talk Toronto, Ontario, 28 April 2011, University of Toronto, Department of Near & Middle Eastern Civilizations, Information and Discussion Session "Does It All Add Up? Quantitative Reasoning (QR) in the Humanities," "The Inevitable Digitization of Language Analysis." Posted on www.BestThinking.com as "The Toronto Manifesto" (search for "Depuydt").

2011 Article The Monty Hall Problem and Beyond: Digital-Mathematical and Cognitive Analysis in Boole's Algebra, Including an Extension and Generalization to Related Cases. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing; doi: 10.4236/14027; http://www.scirp.org/journal/apm; also published in print) 1.4: 136–54.

2012 Article Higher Variations of the Monty Hall Problem (3.0, 4.0) and Empirical Definition of the Phenomenon of Mathematics, in Boole's Footsteps, as Something the Brain Does. With an Appendix by Richard D. Gill. *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing; doi: 10.4236/apm.2012.24034; http://www.scirp.org/journal/apm; also published in print) 2/4: 243–273.

2012 Talk Stanford, California, September 2012, Stanford University, School of Medicine, Department of Bioengineering. "Report to 1,002,012: The Structure of Rational Human Intelligence in 2012." Second Workshop "Human Document Project."

2012 Article To Comma or Not to Comma: The Mathematics of the Relative Clause, All Types, via Boole and Venn. *International Journal of Intelligence Science* (peer-reviewed open access journal published by Scientific Research Publishing; doi: 104236/ijis.2012.24015; http://www.scirp.org/journal/ijis; also published in print) 2/4: 106–114.

2013 Article The Mathematical and Physical Theory of Rational Human Intelligence: Complete Empirical-Digital Properties; Full Electrochemical-Mechanical Model (Part I: Mathematical Foundations). *Advances in Pure Mathematics* (peer-reviewed open access journal published by Scientific Research Publishing; doi: 10.4236/apm.2012.24034; http://www.scirp.org/journal/apm; also published in print) 3/5: 491–561.

On-going Towards the Full Digitalization of Language Analysis: The Case of the Existential Sentence in Egyptian and in General.

6. Research in progress (selection)

Some areas of special interest

    (1) Chronology and time-reckoning as the backbone of history. Extensive research on the following
        five topics.
            I. Foundations of Chronology
            II. Structure of Ancient Egyptian Chronology
            III. Earliest Day-exact Chronology
            IV. Sothic-Lunar Chronology (Middle Kingdom Chronology)
            V. Lunar Time-reckoning in the Ancient World.
    (2) Egyptian Grammar (towards Part II of *Fundamentals of Egyptian Grammar*, of which Part I
        appeared at the end of 1999).

**7. Service (representative selection; more details are available in annual reports to the Dean
of the Faculty)**

Committee of Medical Faculty Appointments, Brown University (2021–22), substituting for a committee
    member on sabbatical.
Evaluation for the University of Münster concerning the ranking of three candidates for a chair in
    Egyptology (2008).
Consulting editor for entries on Egypt in the *Encyclopedia of Society and Culture in the Ancient World*,
    edited by the Schlager Group (2007).
Consultant for Capstone Press, Mankato Press, Minnesota, for various books about ancient Egypt for
    children (2008–9, 2014).
Associate Editor of the new *Journal of Egyptian History* (since summer 2006).
Lectureships Committee, Brown University, 1993–95 (1994–95 as chair).
Advisory Committee to the Brown University Press, 1994–95.
Graduate Council, Brown, 2001–3.
Standing Committee on the Academic Code, Brown, 2003–6 (2005–6 as co-chair).
Advisory Committee on Honorary Degrees, Brown, 2003–2004 (calendar years; 2004 as chair).
Undergraduate Concentration Advisor, Egyptology, Brown University, 1991–2006, 20011–12
    Tasks included:
        Discussed choice of courses in concentration.
        Advised students on graduate study in the field of Egyptology. Nine (9) concentrators (of which
            eight [8] since class of '99) have gone on to study Egyptology in graduate school, one (1)
            in Linguistics but specializing in Egyptian. Details available upon request.
        Wrote recommendations for graduate school applications and fellowships.
        Wrote recommendation letters for grants after Brown.
Director of Graduate Studies, Egyptology and Ancient Western Asian Studies, several years.
Freshman advisor (7 to 10 advisees), most academic years in 1991–2010, often as part of Brown's
    Curricular Advising Program, in which advisees take the advisor's class.
Randall Counselor (sophomore advising), 2000–2009.
Convener of the XXIVth North American Conference on Afroasiatic Linguistics, held at the University
    of Pennsylvania, Philadelphia (1996).

Co-organized, together with Ephraim Isaac and in collaboration with the University of Addis Ababa, "A Symposium on the Science and System of Time-reckoning and Sacred Time Worldwide (in honor of the Ethiopian Millennium and Otto Neugebauer)," held at Addis Ababa in June 2008.

Served as member of a committee for Richard Jasnow's promotion to associate professor (without tenure) at Johns Hopkins University (Professor Jasnow was promoted to full professor with tenure soon after) (2000).

Over the years, I have been asked occasionally, perhaps about 30 times up to this point (by around 2010 more later), to serve as an anonymous referee of articles submitted to following leading journals in the field.

> *Journal of Near Eastern Studies.*
> *Journal of the American Oriental Society.*
> *The Journal of Egyptian Archaeology.*
> *Journal of the American Research Center in Egypt.*
> *Journal for the History of Astronomy.*

Books manuscripts refereed for academic publishers

> David Frankfurter on Religion in Greco-Roman Egypt. For Princeton University Press.
> Ursula Verhoeven on Book of the Dead Manuscripts of the Saite Period. For Peeters Press, Leuven.
> Uwe-Karsten Plisch's Coptic Grammar. For Peeters Press, Leuven.
> George Hart's Dictionary of Egyptian Gods and Goddesses. For Routledge.

Service on doctoral dissertation committees and M.A. theses as director (d) or committee member (m)

> (Ph.D., m) Bryant Bohleke, Ph.D. Yale '91 (Near Eastern Languages and Civilizations).
> [(Ph.D., m) Zlatko Plese, Ph.D. Yale mid-1990s (Classics). Initial phase only; discontinued upon move to Brown in 1991.]
> (Ph.D., m) Michael Foat (now at Reed College), Ph.D. Brown '96 (Department of Religious Studies).
> (Ph.D., m) Mariam Ayad, Ph.D. Brown '03 (Department of Egyptology).
> (PhD., m) Karine Gadré, Paul Sabatier University, Toulouse III (astrophysics, with a topic on Egyptian astronomy), defended in 2008. Participated in the oral defense at Toulouse.
> (Ph.D., d) Andreas Woods, completed May '06 (also principal advisor for M.A. thesis '03).
> (Ph.D, d) Jessica Lévai, completed Sep '06 (also principal advisor for M.A. thesis '03).
> (Ph.D., d) Kelly-Anne Reed, completed Oct '06.
> (M.A., d) Ann Gossett, completed '04.
> Several more since then, all as committee member.

Evaluation of applications for funding of research projects

> (1997) Foundation for Language, Speech, and Logic (associated with the Dutch Science Foundation, The Hague). Proposal for a project on Egyptian linguistics at the University of Leiden, The Netherlands.
> (2001) Dutch Science Foundation. Proposal for a project on Egyptian linguistics at the University of Leiden, The Netherlands.
> (2010) Canadian Research Council

Served as referee and go-between in the awarding of a 6-Month Fulbright Research Grant (from April 2006) to Dr. Mahmoud El-Zarai El-Sawi El-Hamrawi, then Assistant Professor, Egyptology Department, South Valley University, Egypt, for the study of Egyptian grammar and unpublished texts from Abydos. Hosted Professor El-Hamrawi at Brown University.

Served as reviewer for Binational Fulbright Commission Egypt–U.S.A. for three proposals.

Community-Related Activities

Trustee and Secretary, Norton Country Club Townhomes Condominium Trust (36 owners), 2003–5.

Member, New Haven Oriental Club (Elected Secretary, May 1991; did not serve owing to move).

Praeses and Founder, Eoos (Student Association of Oriental Philology; membership then *ca*. 100 members), Catholic University of Louvain, 1980–81.

Praeses, Klio (Student Association of Classical Philology; membership then *ca*. 300 members), Catholic University of Louvain, 1978–79.

Member, University of Louvain Symphony Orchestra, 1979–81.

Second Prize (Trumpet), Belgian National Youth Music Contest "Pro Civitate" (choice piece: Haydn E-flat concerto; cadenza by M. André), 1980.

Silver Government Medal (Trumpet), Belgium, 1980.

Amateur volleyball (provincial), Belgian Volleyball Federation, four seasons of regular competition, two years or so as team captain, 1973–77.

8. Academic honors

Wriston Grant for Excellence in Teaching, Brown, 1994 (Summer).

Grant from the Faculty Development Fund ($1000), Brown, 1991.

Fulbright Exchange Scholar (Belgium to U.S.A.), 1985–1986.

Whiting Prize Fellowship, Yale, 1988–89.

John F. Enders Prize Fellowship, Yale, 1988.

Bibliographical Society of America Fellowship, 1988.

Aylwin Cotton Foundation Award, United Kingdom, 1988.

University Fellowship, Yale, 1987–88.

Josephine de Kármán Fellowship, 1987.

Julian J. Obermann Fellowship, Yale, 1986–87.

Grants from Middlebury College and Yale for Arabic Course at Middlebury, 1986 (Summer).

University Fellowship, Yale, 1985–86.

Council of Europe Higher Education Scholarship, Deutscher Akademischer Austauschdienst, 1984–85.

Government of Israel Scholarship, 1982–83.

Dissertation Award, Belgian Ministry of Education, 1982–83.

Helen H. Scheuer Fellowship, Hebrew Union College, 1981–82.

Student Travel Grants: Yale Endowment for Egyptology (1986, 1987); Fulbright (1986); Vlaamse Leergangen, Louvain (1984).

William J. Horwitz Prize, "For Continuous Excellence and Distinction," Department of Near Eastern Languages and Civilizations, Yale, 1990.

Dissertation passed with Distinction, Yale, 1990.

Finalist, Society of Fellows, Harvard, 1988.

Comprehensive exams on Egyptology, Coptic Studies, and Christian Arabic passed with Distinction, Yale, 1987 (May).

Highest Score, Arabic Summer Course, Middlebury College, 1986 (Summer).

Laureate, Latin–Greek Humanities (high school), 1975.

Memberships in Learned Societies

American Friends of the École Biblique in Jerusalem (1996–2001).
American Oriental Society (the oldest learned society in the U.S.A. devoted to a specific subject of study [since 1842]) (1991–   ).
American Research Center in Egypt (1986–   ).
Association of Ancient Historians (2001–   ).
Deutsche Morgenländische Gesellschaft (German Oriental Society) (1998–   ).
International Association of Armenian Studies (1991–   ).
International Association of Coptic Studies (1984–   ).
International Association of Egyptology (1985–   ).
International Association of Nubian Studies (1998–   ).
New York Academy of Sciences (1996–1997).
New York Egyptological Seminar (1996–2001).

9. Teaching (details listed below go back to the calendar year 1999)

Graduate program (report dating to 2006)

After a year without doctoral students in Egyptology (now Egyptology and Ancient Western Studies) in 1995–1996, their number has gradually grown in the period beginning with tenure in January 1996 from one (**1**) in 1996–1997 to ten (**10**) in 2005–2006, of which two (2) are on leave in 2005–2006. I have also over the years taught several visiting students from neighboring universities such as Harvard and Yale Universities through the Inter-Ivy League Program and a postdoctoral student from the Dibner Institute at MIT. My membership of Brown's Graduate Council in 2001–3 just at a time when significant strides forward were being made as part of Brown's Plan for Academic Enrichment (since 2001) in areas such as the overall profile of the graduate university inside the university, graduate student selectivity, graduate school support (including significant raises in stipends, summer support, and health insurance) have contributed much to my personal growth in the area of guiding graduate students. The rising number of graduate students and the wide range subjects in the field of Egyptology (Egyptian language, whose five stages succeeding one another over a period of about 4000 years each count as a separate language; history; religion and literature; art and archeology; and so on) in a department with two (**2**) full-time faculty members and only one (**1**) in 2005–2006, supported by professional Egyptologists living in the area serving as adjunct professors mainly for undergraduate teaching, has necessitated the teaching in every semester of small seminars on special topics taught to from as few as one to as many as about five doctoral students, in addition to addressing all of the many kinds of other miscellaneous concerns graduate students and graduate student life, including shepherding students as they present their first papers at conferences, as they write their first publications, as they write their M.A. theses and doctoral dissertations, as they apply for jobs and grants, as they take their language exams, M.A. exams, and doctoral exams, and so on. It has been the custom not to request student evaluations for small classes and graduate seminars. But this practice is under review and may change. Small graduate mostly have the same course numbers, EG0291 for the first semester and EG0292 for the second semester.

Topics of seminars taught to graduate students over the years have included (some have been repeated; I have not kept a precise record):

1. The Epistolary Genre in Late Egyptian
2. Intermediate Demotic (Demotic II)
3. Advanced Demotic (Demotic III)
4. Intermediate Coptic (Coptic II)
5. Advanced Coptic (Coptic III)

   6. Coptic Gnostic Texts
   7. History of the Field of Egyptology
   8. Ancient Egyptian Mathematics
   9. Ancient Egyptian Astronomy and Chronology
   10. Ptolemaic Hieroglyphic Texts (including the Rosetta Stone)

The length of Senior Seminars/Reading and Research is typically two (2) hours per week. In the absence of evaluations for small classes, I have added the page numbers of the pertinent sheets in the Brown University Grade Report (BUGR) as proof that the event took place. What follows are the details for the last seven years or so, for which I have kept copies of the grade sheets. Some topics of seminars may have been placed in the wrong years because the grade sheets did not provide such detail. But the overall picture should be representative.

Undergraduate program (report dating to 2006)

I have been Concentration Advisor for Egyptology since arriving at Brown in 1991. Since I received tenure in January 1996, there has been an expansion in the undergraduate concentration parallel to the one in graduate program. Of the undergraduates who have studied Egyptology at Brown since 1995, eight (8) have been admitted into graduate programs, one (1) in a linguistics program but specializing in the Egyptian language. Details are available upon request. In a tiny field such as Egyptology, in which only 50 to 60 professionals are full-time employed in the entire U.S., Brown may well have sent more undergraduate students in Egyptology on to graduate programs than any other institution.

Other (report dating to 2006)

In the early 1990s, I led several scholars to their first publications by supervising the publication of two volumes of editions and translations of unpublished Coptic texts dating to about the ninth century C.E. kept at the Morgan Library in New York. Tasks included:

   • Teaching participants in the project the Coptic language up to an advanced level.
   • Reading much of the text with them.
   • Reviewing and editing their draft editions and translations in detail.
   • Writing introductory essays and indexes.
   • Managing the proofs and participate in the correcting.
   • Seeing the book through all the way to publication.

Classes Taught since 1999

Semester 2, 1998–1999

EG0134:   Selections from Middle Egyptian Hieratic Texts (2 students). BUGR 1475.
EG0261:   Introduction to Demotic (4 students). BUGR 1481–82.
EG0292:   Reading and research project (1 graduate student). BUGR 1484.

Semester 1, 1999–2000

EG0133:   Selections from Egyptian Hieroglyphic Texts (4 students). BUGR 1232.
EG0291:   (Section 02) Seminar on Ptolemaic Hieroglyphic Egyptian (4 students). BUGR 1239–1240.

EG0191: (Section 02) Senior Seminar. Thesis preparation (1 student). BUGR 1237.

EG0291: (Section 07) Reading and Research project (1 graduate student). Egyptian calendrics and chronology. BUGR1241.

Semester 2, 1999–2000

EG0146: History of Egypt IV: The Age of Cleopatra (12 students). BUGR 1439–41

EG0134: Selections from Middle Egyptian Hieratic Texts (3 students). BUGR 1433–35.

EG0292 Reading and Research project (1 graduate student). BUGR 1443.

Semester 1, 2000–2001

EG0221: Introduction to Coptic (11 students). BUGR 1253–54.

EG0291: (Section 02) Seminar on Late Egyptian (2 graduate students). BUGR 1255.

Semester 2, 2000–2001

[**EG0132:** Taught by a graduate student under my supervision.] Grade sheet not available.

EG0261: Introduction to Demotic (9 students). BUGR 1462–63.

EG0292: (Section 02) Intermediate Coptic (7 students). BUGR 1465–67.

EG0292: (Section 03) Reading and Research project (1 graduate student). BUGR 1468.

Semester 1, 2001–2002

[**EG0131:** Introduction to Classical Hieroglyphic Egyptian, I. Taught by a graduate teaching assistant. I supervised as author of the handbook used in the class. BUGR 1291.]

EG0191: Senior Seminar (1 student). Thesis preparation. BUGR 1300.

EG0291: (Section 02) Advanced Coptic (5 students and visiting postdoctoral fellow from the Dibner Institute at MIT). BUGR 1305.

EG0291: (Section 07) Advanced Demotic (2 students and visiting postdoc). BUGR 1308.

Semester 2, 2001–2002

[**EG0132:** Introduction to Classical Hieroglyphic Egyptian, II. Taught by a graduate student under my supervision. BUGR 1473.]

EG0134: Selections from Middle Egyptian Hieratic Texts (7 students). BUGR 1475–77.

EG0144: History of Egypt IV: The Age of Cleopatra (7 students). BUGR 1482–84.

EG0192 Seminar on Egyptian Astronomy, Chronology, Calendrics, and

+EG0292: Heortology (4 students). BUGR 1486, 1490.

EG0292: Senior Seminar with Kerry Verrone. The resulting thesis was published by the Dean of the College's Office in 2003.

Semester 1, 2002–2003

EG0261: Introduction to Coptic (5 students). Copy of grade sheet not available.

EG0292: (Section 02) Advanced readings in the Coptic Septuagint (Ruth and Maccabees) (8 students). BUGR 1621–22.

EG0292: (Section 03) Senior Seminar/Reading and Research projects (4 graduate students). BUGR 1625–26.

Also: Visiting appointment at Yale University; invitation to lecture once a week to doctoral students in Egyptology (two of which were Brown undergraduates) on topic of expertise, calendars and chronology.

Semester 1, 2003–2004

EG0131: Introduction to Classical Hieroglyphic Egyptian, I (about 20 students). CAP Course. BUGR 1328–29.
EG0145: History of Egypt III: Libyans, Nubians, and Persians in Egypt (6 students). BUGR 1333–34.
[**EG0291:** (Section 01) Seminar with one (1) visiting student; aborted early in the semester owing to illness in the family. BUGR 1337.]
EG0291: (Section 02) Reading and Research project. Readings with one (1) advanced graduate student in Demotic, his field of expertise and topic of dissertation. BUGR 1338.
EG0291: (Section 06) Seminar with two (2) advanced graduate students on the epistolary in Late Egyptian. BUGR 1335 (wrongly registered for EG0191) and 1339.
EG0291: (Section 07) Reading and Research project. Readings with one (1) advanced graduate student of texts by Shenute, known for their high degree of difficulty. One of the student's doctoral exams was on this subject. BUGR 1340.

Semester 2, 2003–2004

Sabbatical. See report to the Dean of the Faculty (available upon request).

EG0292: (Section 02). Reading and Research projects with three graduate students, one on ancient Egyptian mathematics. BUGR 1647.

Semester 1, 2004–2005

EG0131: Introduction to Classical Hieroglyphic Egyptian, I (about 25 students). CAP-advising independent of course this year. BUGR 1329–30.
EG0221: Introduction to Coptic (7 students). BUGR 1336–37.
EG0292: Seminar-style weekly meeting with one (1) graduate student reviewing the History of Egyptology. BUGR 1339.

Semester 2, 2004–2005

EG0132: Introduction to Classical Hieroglyphic Egyptian, II (about 10 students). BUGR 1635–36.
EG0261: Introduction to Demotic (5 students; 1 dropped out). BUGR 1645–46.
EG0292: (Section 02) Seminar for graduate students on Coptic Gnostic Texts (3 students). BUGR 1648.

Semester 1, 2005–2006

EG0131: Introduction to Classical Hieroglyphic Egyptian, I (about 26 students). CAP course. BUGR 1469–70.

EG0133: Selections from Middle Egyptian Hieroglyphic Texts (5 students). BUGR 147?–7? (last digit obscured on my copy).

EG0281: Old Egyptian (3 students). BUGR 147?–7?.

EG0191: Senior Seminar. Thesis preparation (1 student). BUGR 147?.

EG0291: Reading and Research project (1 graduate student).

Semester 2, 2005–2006

EG0132: Introduction to Classical Hieroglyphic Egyptian, II (about 10 students).

EG0261: Introduction to Late Egyptian (5 students).

[EG0192 and 0292: Reading and Research Project and Senior Seminar.**]**

Semester 1, 2006–2007

EG0131: Introduction to Classical Hieroglyphic Egyptian I (about 33 students). CAP course.

EG0221: Introduction to Coptic (8 students).

EG0191 and 0291: Reading and Research Project and Senior Seminar.

Semester 2, 2006–2007

EG0132: Introduction to Classical Hieroglyphic Egyptian, II (about 20 students).

EG0261: Introduction to Demotic (3 students).

EG0192 and 0292: Reading and Research Project and Senior Seminar (3 students).

Semester 1, 2007–2008

EG0131: Introduction to Classical Hieroglyphic Egyptian I (about 20 students). CAP course.

EG0221: Introduction to Late Egyptian (1 student).

EG0291: Reading and Research Projects (twice 1 graduate student).

Semester 2, 2007–2008

EGYT1320: Introduction to Classical Hieroglyphic Egyptian, II.

EGYT2920: Advanced Coptic (registered as Independent Study).

Semester 1, 2008–2009

EGYT2610: Introduction to Demotic.

EGYT1330: Third semester of Middle Egyptian (registered as Independent Study **EG1920**).

EGYT1920: Senior seminar. Thesis preparation with one student.

Semester 2, 2008–2009

EGYT2210: Introduction to Coptic.

EGYT2920: Hieratic (registered as an Independent Study).

Semester 1, 2009–2010

EGYT2610:   Introduction to Demotic.
EGYT1440:   History of Egypt II.

Semester 2, 2009–2010

EGYT2410:   Late Egyptian.
EGYT2210:   Coptic.
EGYT2543:   Calendars and Chronology in Ancient Egypt and the Ancient World.

Semester 1, 2010–2011

Sabbatical.
Tutored two Harvard doctoral students in the Classics in Demotic Egyptian. Continued until summer of
    2013.

Semester 2, 2010–2011

EGYT1410:   Ancient Egyptian Literature.
EGYT2410:   Introduction to Late Egyptian.

Semester 1, 2011–2012

EGYT1310:   Introduction to Egyptian Hieroglyphic Writing I.
EGYT2210:   Introduction to Coptic.

Semester 2, 2011–2012

EGYT1440:   History of Egypt II ("From Ramses to Roman").
EGYT1320:   Introduction to Egyptian Hieroglyphic Writing II.

Semester 1, 2012–2013

EGYT1410:   Ancient Egyptian Literature.
EGYT2610:   Introduction to Demotic.

Semester 2, 2012–2013

EGYT1490:   Calendars and Chronology in Ancient Egypt and the Ancient World.
EGYT2410:   Introduction to Late Egyptian.

Semester 1, 2013–2014

EGYT1440:   History of Egypt II ("From Ramses to Roman").
EGYT1320:   Introduction to Egyptian Hieroglyphic Writing II.
EGYT2920:   Intermediate Demotic (registered as Reading and Research).

Semester 2, 2013–2014

    EGYT1310:   Introduction to Egyptian Hieroglyphic Writing II.
    EGYT2210:   Introduction to Coptic.

Semester 1, 2014–2015

    EGYT1410:   Ancient Egyptian Literature.
    EGYT2610:   Introduction to Demotic.

Semester 2, 2014–2015

    On sabbatical.

Semester 1, 2015–2016

    EGYT1310:   Introduction to Egyptian Hieroglyphic Writing I.
    EGYT2210:   Introduction to Coptic.

Semester 2, 2015–2016

    EGYT1440:   History of Egypt II ("From Ramses to Roman").
    EGYT1320:   Introduction to Egyptian Hieroglyphic Writing II.

Semester 1, 2016–2017

    EGYT1410:   Ancient Egyptian Literature.
    EGYT2220:   The Literature of the Copts (seminar).

Semester 2, 2016–2017

    EGYT2410:   Introduction to Late Egyptian.
    EGYT2610:   Introduction to Demotic.

Semester 1, 2017–2018

    On sabbatical.

Semester 2, 2017–18

    EGYT2210:   Introduction to Coptic.
    EGYT1440:   History of Egypt II ("From Ramses to Roman").

Semester 1, 2018–19

    EGYT2300:   Readings in Ancient Egyptian (Coptic texts).
    EGYT2610:   Introduction to Demotic.

Semester 2, 2018–19

> **EGYT1410:**   Ancient Egyptian Literature.
> **EGYT1490:**   Calendars and Chronology in Ancient Egypt and the Ancient World.

Semester 1, 2019–20

> **EGYT1495:**   Ancient Egyptian Science and Medicine.
> **EGYT2410:**   Introduction to Late Egyptian.

Semester 2, 2019–20

> **EGYT2210:**   Introduction to Coptic.
> (**EGYT1440:**   History of Egypt II ("From Ramses to Roman"). Cancelled.)

Semester 1, 2020–21

> **EGYT2410:**   Introduction to Late Egyptian.
> **EGYT2610:**   Introduction to Demotic.

Semester 2, 2020–21

> **EGYT2300:**   Readings in Ancient Egyptian (Coptic texts).
> **EGYT2620:**   Demotic Texts.

Semester 1, 2021–22

> On sabbatical.

10. Date of last update of the document

January 7, 2022.