CONTRIBUTIONS FROM THE AMBER RESEARCH LABORATORY

Vassar College, Poughkeepsie, N.Y. 12601 U.S.A.

(\*Student collaborators)

ARL#194 *“Unknown amber sample determination and comparison”,* chemistry senior thesis by \*Nate Calvert, May 2015.

ARL#193 “*Analysis of Amber Beads From The Macchiabate Necropolis of the*

*Timpone della Motta settlement in South Italy”,* Kaur, S., Stout, E., \*Li, T.,\*Bonifacio, K. and Morse, L. Report submitted December 2015 to Professor Martin A. Guggisberg and Camilla Colombi (research assistant) at University of Basel in Switzerland.

Publication expected in 2016/2017 as part of a monograph on the excavations: S. Kaur and E. Stout (ARL), Analysis of the amber beads from the Macchiabate Necropolis, in: M. A. Guggisberg – C. Colombi – N. Spichtig (eds.), The Macchiabate Necropolis in Francavilla Marittima (Basle 2017) 156-161.

ARL#192 “*GCMS Analysis of Pinus Alba Resin”,* Kaur, S., Stout, E. and \*Rosenbaum, C., paper presented at the “Baltic Amber across Time and Borders” conference held at Riga, Latvia (accepted for publication).

ARL#191“*Characterization of Possible Baltic Amber found with a Bark Beetle Inclusion”,* Kaur, S. and Stout, E.Report sent Dec 10, 2014 to Professor

Anthony Cognato, Director of the A.J. Cook Arthropod Research Collection Dept. of Entomology, Michigan State University.

ARL#190a *“Infrared Spectroscopy of Bronze Age Ambers from S. Italy and Sicily”*, Kaur, S., Stout, E. and \*Kaplan, G., report submitted 12/23/2013 and incorporated in the following forums:

1. Ilaira Matarese 2014 PhD thesis, “Vaghi e pendenti dell’età del Bronzo in Italia meridionale e in Sicilia: pietra, materiali vetrosi, ambra e metallo”).
2. Upcoming publication in Acts of the PPE Congress (Preistoriae Protostoria in Etruria) on the ornaments from the Murgia Timone tomb.

ARL#190b **“***Provenance of Amber Found in a Bronze Age Italian Necropolis”,* Kaur, S., Edie, S. and \*Mayur, J. Report sent 4/11/2014 to Dr. Francesca Mermati, University of Naples Federico II, Naples, Italy, in support of her PhD thesis.

ARL#189 *“FTIR spectroscopy and XRF analysis on archaeological artifact from the*

*Arkfeld Site in Virginia”*, Kaur S., Stout, E and \*Agrawal T. Report sent 3/12/2014 to Adam Arkfeld (working with Wm Jack Hrankicky RPA, an archaeologist).

ARL#188 *“Infrared Spectroscopy of Ambers from European Iron Age Cemeteries”*,

Kaur, S., Stout, E.C. and \*Schwartz, M. (report sent 7/13/2013 to Antje Sprung in support of her master’s thesis, University of Bochum (Pre- and Early History and Economic and Commodity Archaeology department).

ARL#187 “*Infrared Spectroscopy of a 11/12th Century Medieval Amber Ring*

*Fragment”*, Sarjit Kaur, Edith C. Stout and \*Marissa Schwartz (5/7/13). This study has been included and cited in the following publication:

# Woltermann, G. and Lau, D. “*An unusual amber fingerring from the Salian period found at Bissendorf (Lkr. Osnabrück) - Insights into long-distance contacts of the high middle ages”,* [Archaologisches Korrespondenzblatt](http://source), Volume 44, Issue 3, 2014, Pages 429-442.

ARL#186 “*Analysis of Pitch Samples from a 7th century A.D. Byzantine Yenikapi*

*Shipwreck from Turkey”*, Sarjit Kaur and Edith C. Stout. The findings of this study have been included and cited in the following works:

1. Ph. D doctoral 2013 thesis of Rebecca Ingram *(“Analysis and*

*Reconstruction of Shipwreck YK 11 (c. Seventh Century A.D.) from the Theodosian Harbor at Yenikapi in Istanbul, Turkey*.”

b) “Eight Shipwrecks from the Theodosian Harbour Excavations Yenikapı in Istanbul, Turkey: An Introduction”, Pulak, C., R. Ingram and M. Jones, *International J. of Nautical Archaeology, 2015,* 44.1: 39-73.

Sample source: pitch samples submitted by Rebecca Ingram from Texas A&M University.

ARL#185 “*GCMS Analysis of Two Pitch lumps found in the vicinity of two*

*shipwrecks (7-10th century) from the ancient harbor of Yenikapi*”, Sarjit

Kaur\*, Edith C. Stout and \*Vanora Estridge (reported January 9 2012).

Sample source: Samples submitted by Michael Jones and Rebecca Ingram from Texas A&M University.

ARL#184 “*Infrared Spectroscopy of Amber Samples from Ephesus and Emilia-*

*Romagna”,* Sarjit Kaur, Edith C. Stout, \*Tripta Kaur and \*Vanora Estridge.

This project has been cited in the following publications:

“*Amber for Artemis. Amber objects from the Artemision of Ephesus”*, ed. A.Naso, with contributions by L. Ambrosini, \*V. Estridge\*, S. Kaur, \*T. Kaur, M. Kerschner, A. Naso, M. Ott, C. Posch, S. Privitera, N. L. Saldalamacchia, E. Stout, Ergänzungsheft zu den ÖJh, Vienna.

*“Amber for Artemis. Preliminary report on the amber finds from the santuray of Artemis at Ephesus”,* Naso, A. in: ÖJh (Jahreshefte Des Osterreichischen archaologischen Institutes in Wien, 2013, 82, 259-278.

*“Amber from the sanctuary of Artemis in Ephesus”,* Alessandro Naso, Martina Ott, Caroline Posch, Institut für Archäologien, Leopold-Franzens-Universität, Innsbruck; Serena Privitera, poster exhibition in Istanbul at the Austrian embassy on work at the Ephesus site, 2012.

ARL#183 *“Infrared Spectroscopy of Amber Samples from the Artemision*

*Excavations of 1904/1905”*, Sarjit Kaur, Edith C. Stout, \*Tripta

Kaur and \*Vanora Estridge, Anatolia Antiqua XX, 2012, pp. 39-43.

ARL#182 “*Evaluation of amber submitted by Maria Frazier (private collection)*”,

Sarjit Kaur and Edith C. Stout, reported November 29, 2010.  
  
ARL#181 “*Analysis of pitches from a 9th or 10th century A.D. Byzantine Yenikapi*

*shipwreck from Turkey*”, Sarjit Kaur and Edith C. Stout, Nov. 12, 2010.

Cited in Michael Jones Ph.D thesis: “The Recovery, Reconstruction, and Analysis of Yenikapi 14 (YK 14), a Middle Byzantine Merchant Ship from the Theodosian Harbor Excavations at Yenikapi, Istanbul”, 2013.

Samples: Six pitch and caulking samples from the hull of a late 9th or early 10th century Byzantine shipwreck excavated from Yenikapi in Istanbul, Turkey (The Nautical Archaeology Program at Texas A&M University).

ARL#179 *“Howieson Poort (Stone age Tool adhesive), not a resin”,* Curt W. Beck

and Edith C. Stout.

ARL#178 *“Pistacia resin from eastern Mediterranean”*, Curt W. Beck, Edith C. Stout, \*Anne Chudolij 2006 chemistry senior thesis.

Sample source: Pistacia resin from Sabine Beckmann (archaeologist) from Crete .

ARL#177 “XXXX”, Curt W. Beck, Edith C. Stout and \*Maria Rosa, date reported?

Sample source: Tar samples from Shipwreck Pabuc Burmu, Turkey sent in 2004 by Mark Polzer, Texas A&M Institute of Nautical Archaeology.

ARL#176 *“Analysis of Stoyanovo sherds”*, Curt W. Beck and Edith C. Stout.

Samples sent by Jan Bouzek, Prague, 2005.

ARL#175 *“Betulin - fate of a birch tar biomarker”*, Klaus Ruthenberg, Curt W. Beck

and Edith C. Stout, in: A. Millard, ed., Archaeological Sciences ‘97. Proceedings of the conference held at the University of Durham, 2nd - 4th September 1997. BAR International Series 939 (2001) pp. 91-95.

ARL#174 *“Provenience Analysis of Romanian Amber Artifacts by Infrared Spectroscopy”*, Curt W. beck, Edith C. Stout and \*Suzanne Hanna Buck, Proceedings of the Fifth International Conference on Amber in Archaeology, Belgrade 2006, (Publ. 2009), pp. 20-29.

ARL#173 *“Prospects in Organic Residue Analysis”,* Curt W. Beck, 2005.

ARL#172 *“Identification of pine tar in the 9th century A.D. shipwreck at Bozburun,*

*Turkey”,* Edith C. Stout Curt W. Beck, \*Lauren C. Maliboff.

Samples submitted by Mathew Harpster fromTexas A& M.

ARL#171 *“Organic residues in ceramics from the Greek settlement of Pistiros, Bulgaria”*, Edith C. Stout, Curt W. Beck, \*Lauren C. Naliboff, \*Anna J. Phillips, Studia Hercynia (Prague) VII (2003), pp. 81-114.

ARL#170 *“Analysis of fossil resin Schliersee”*, Curt W. Beck, Edith C. Stout.   
  
ARL 169 *“Organic Residue Analysis of Pottery Sherds from Chrysokamino 2.”*

ARL 168 “Organic Residue Analysis of Pottery Sherds from Chrysokamino 1”

Ruth F. Beeston, Joe Palatinus, Curt Beck and Edith C. Stout, HESPERIA Supplement 36, The Chrysokamino Metallurgy Workshop and its Territory, 2006, pp. 413-428.

ARL#167 “Organic Residues From the Late Neolithic Makriyalos Cooking Pots”,

Dushka Urem-Kotsou\*, Kostas Kotsakis\*, Curt W. Beck and Edith C. Stout

\*Department of Archaeology, Aristotle University, Greece, durem@hist.auth.gr & Kotsakis@hist.auth.g

Sample source: Residue from pots from Meilithic sit at Makriyalos (Northern Greece) submitted in 2000 by Dr. Duska Urem-Kosou, U. of Thessaloniki.

ARL#166 “*Committee report on the study of amber*”, Union Internationale des Sciences

Prehisotriques et Protohistoriques (UISPP), Liege, September, 2001.

ARL#165  *“Content Analysis of Plaster-Lined Cisterns on Naxos”,* Curt W. Beck,

Edith C. Stout, \*Karen M. Wovkulich senior chemistry thesis, 2001.  
  
ARL#164 *“Chemical composition and Botanical sourse of Sicilian Amber(Simetite).*

*I. GC-MS analysis of Paris MNHN 38.35.c(2)”*, Curt W. Beck, Edith C. Stout, \*Karen M. Wovkulich, in C.W. Beck, I.B. Loze, J. M. Todd, Amber in Archaeology, Preceedings of the 4. International Conference on Amber in Archaeology, Talsi, Lativa, Sept. 2001, Riga, 2003 pp. 17-33.

ARL#163 *“Organic residues in pottery from the Minoan settlement of Pseira,*

*Crete”,* Curt W. Beck, Edith C. Stout, \*Karen M. Wovkulich, in: Y.

Tzedakis, H. Martlew (eds.), Archaeology meets Science. Biomolecular

& Site Investigations in Bronze Age Greece, Oxbow Books, (2008), pp. 48-73.

ARL#162 “Ottoman Shipwreck”, Curt W. Beck,Edith C. Stout and \*Karen Wovkulich.

Sample source: Resinous material sent 2001 by Cemal Pulak,Texas A&M

(originally from Bodrum Museum, Turkey?)

ARL#161 *“Resin Taxonomy”*

ARL#160 *“Analysis of food remains in Minoan and Mycenaean pottery”*, Curt W.

Beck, Edith C. Stout, \*Karen C. Lee, \*Nicole Derosa and \*Adrien Chase,

in:Yannis Tzedakis and Holly Martlew, eds., Minoans and Mycenaeans Flavours of Their Time (Catalogue of the Exhibition at the Greek National Archaeological Museum 12 July-27 November, (1999), Greek Ministry of Culture and National Archaeological Museum, Athens, 1999, pp. 27 and passim. ISBN 960-7254-80-5.

ARL#159 *“USIPP Committee on the Study of Amber”*, Curt W. Beck, Prehistoria 2000, 1 (2001), pp. 207-210.

ARL#158 *“Certainty and Doubt in Organic Residue Analysis”*, Curt W. Beck, Edith

C. Stout, Archaeology Meets Science, Oxbow Books, (2008) pp. 5-11.  
  
ARL#157 *“Organic remains in the interior surfaces of Cypriote white-slip ware”*,

Curt W. Beck, Edith C. Stout, \*Karen M Wovkulich, Egypt and the Levant 14(2005), pp. 13-43.

ARL#156 *“Analysis of organic remains in the fabric of Minoan and Mycenaean*

*pottery sherds by gas chromatography - mass spectrometry”,* Curt W. Beck, Edith C. Stout, \*Karen C. Lee, \*Nicole DeRosa, \*Adrien A. Chase, Oxbow Books 2008, pp. 12-49.

ARL#155 *“Resin cargo from the shipwreck of Tektas Burnu (Turkey)”*, Curt W. Beck

and Edith C. Stout.

ARL#154 *“Ti étrogan oi Minoítes kai oi Mykenaíoi ? [What did the Minoans and the Mycenaeans eat?]”*, Curt W. Beck and Kathimerini (Athens, Greece), April 23, 2000, pp. 8-11.

ARL#153 *“The origin of the prehistoric amber finds in Southern Switzerland”*, Curt

W. Beck and Edith C. Stout, in: S. Biaggio Simona, ed. Catalogue of the

exhibition ‘I Leponti tra mito e realtá’, Locarno, 2000, vol. 2, pp. 41-61.

ARL#152 *“Analysis of food remains in Minoan and Mycenaean pottery”*, Curt W.

Beck, Edith C. Stout, \*Karen C. Lee, \*Nicole DeRosa and \*Adrien A. Chase, in: Yannis Tzedakis and Holley Martlew, eds., Minoans and Mycenaeans. Flavours of their Time, (Catalogue of the Exhibition at the Greek National Archaeological Museum, 12 July - 27 November, 1999), Greek Ministry of Culture and National Archaeological Museum, Athens, 1999, pp. 27 and passim. ISBN 960-7254-80-5.

ARL#151 *“Analysis of residues on Mycenaean ‘torches’ used to manufacture soot”*,

Curt W. Beck and Edith C. Stout.

ARL#150 *“Organic residues in pottery from Monastiraki (Crete)”*, Curt W. Beck,

Edith C. Stout, \*Karen C. Lee and Patrick E. McGovern, Greece.  
  
ARL#149 *“Identification of rumanite (Romanian amber) as thermally altered*

*succinite (Baltic amber)”*, Edith C. Stout, Curt W. Beck and Ken B. Anderson, Physics and Chemistry of Minerals, 27 (2000) pp. 665-678.

ARL#148 *“A funerary feast fit for King Midas”*, Patrick E. McGovern, Donald L.

Glusker, Robert A. Moreau, Alberto Nuñez, Curt W. Beck, Elizabeth

Simpson, Eric D. Butrym, Lawrence J. Exner and Edith C. Stout, Nature, 402 (No. 6764) (1999), pp. 863-864.

ARL#147 *“Provenience analysis of archaeological amber artifacts in Portugal”*,

Raquel Vilaça, Curt W. Beck and Edith C. Stout, Madrider Mitteilungen

(Deutsches Archäologisches Institut) 43 (2002), pp. 61-78.

ARL#146 *“Provenience analysis of two Liao amber carvings”*, Curt W. Beck and

Edith C. Stout, Hong Kong.

ARL#145 *“The provenience of Bronze Age amber finds at Préz-vers-Siviriez and*

*Ursy/Donchière (Kanton Fribourg)”*, Curt W. Beck and Edith C. Stout.

ARL#144 *“Report of the Committee on the Study of Amber”*, Curt W. Beck, submitted to the Executive Committee and to the Council of the International Union of Pre- and Protohistoric Sciences, Liege, Belgium, December 1998.

ARL#143 *“Amber from Nitriansky Hradok, Slovakia”*, Curt W. Beck, Edith C. Stout, Amy

Yarger, Technical Appendix to K. Marková, “Zu den Bernsteinfunden aus Nitriansky Hrádok” in Aktuelle Probleme der Erforschung der Frühbronzezeit in Böhmen und Mähren und in der Slowakei, Bratislava, 1999, pp. 224-225 and Fig. 6, p. 222.

ARL#142 *“Red resin from Sicily”*, Curt W. Beck, Edith C. Stout.

ARL#141 *“Amber from Liaoning Province and Liao amber Artifacts”*, Curt W.

Beck, Edith C. Stout, in: E. C. Bunker and J. M. White, Adornment for the Body and Soul. Ancient Chinese Ornaments from the Mengdiexuan Collection, The University of Hong Kong, Hong Kong, 1999, pp. 176-172.

ARL#140 *“The Chemistry of Amber”,* Curt W. Beck in: Proceedings of the World

Congress on Amber Inclusions, October 1998, Vitoria-Gasteiz, Basque

Country, Spain, J. Alonso, J. C. Corral, and R. López, eds.), Estudios del

Museo de Ciencias Naturales de Alava. Vol. 14. No. 2 (1999), pp. 33-48.

ARL#139 *“Archaeological Chemistry”*, Curt W. Beck, McGraw-Hill Encyclopedia

of Science & Technology, 9th edition., McGraw-Hill, New York (1999).

ARL#138 *“Bernstein”*, Curt W. Beck, in Philippe Della Casa, Velika Gruda II. Die

bronzezeitliche Nekropole Velika Gruda (Ops. Kotor, Montenegro)

[Universitätsforschungen zur prähistorischen Archäologie, Band 33],

Habelt, Bonn, pp. 135-136 (notes on p. 139) (1997?).

ARL#137 *“Ancient pine tar technology: Correlations between manufacturing*

*method and composition”*, Curt W. Beck, Edith C. Stout, \*Karen Lee, Dieter Todtenhaupt, Andreas Kurzweil, in: Proceedings of the 31. International Symposium of Archaeometry, May 1998, Budapest, Hungary, K. T. Biró, ed.) British Archaeological Reports, International Series 1043, (I), 2002, pp. 179-184.

ARL#136 “*Corpus sucinorum veterum Hungariae. Amber artifacts in the Bronze Age of Hungary”*, Curt W. Beck and Emma Sprincz, Proceedings of the XIII. International Congress of Prehistoric and Protohistoric Sciences - Forlì-Italy-8-14 September 1996, (publ. 1998), Vol. 6, Part I, pp. 415-419.

ARL#135 *“Finds of amber in the Carpathian Basin in the Bronze Age”,* Curt W.

Beck and Klára Marková , Proceedings of the XIII. International Congress of Prehistoric and Protohistoric Sciences - Forlì - Italy - 8-14 September 1996, (publ. 1998), Vol. 6, Part I, pp. 409-413.

ARL#134 *“Report of the Committee on the Study of Amber”*, Curt W. Beck,

Proceedings of the XIII. International Congress of Prehistoric and Protohistoric Sciences - Forlì - Italy - 8-14 September 1996, (publ. 1998), Vol. 6, Part I, pp. 379-382.

ARL#133 *“Chemical Studies of Amber”*, Curt W. Beck, read at the XIII. Congress of

the Union Internationale des Sciences Préhistoriques et Protohistoriques,

Sept. 8-14, 1996, Forlì, Italy.

ARL#132 “*Wine flavored with pine resin and Pine tar in ancient Egypt and Greece”,*

Curt W. Beck, Edith Stout, and \*Adrienne Natrillo.

ARL#131 *“Analysis of a Resin found at Anemomylos, Epirus Greece*”, Edith C. Stout,

Curt W. Beck, and Gerhard Heck (Rathgen-Forshungslabor Staatliche Musseen zu Berlin, Germany), Greece.

ARL#130 *“Organic residue on an Amerindian soapstone vessel from Wayne*

*County, New York”*, J. Truncer (Department of Anthropology, University of

Washington, Seattle WA), Edith C. Stout and Curt W. Beck, 1996.

ARL#129 *“Zur Herkunftsbestimmung von Bernstein”*, Curt W. Beck, in: M.

Ganzelewski and R. Slotta, eds. Bernstein. Tränen der Götter. Katalog der

Bernstein-Ausstellung des Deutschen Bergbau-Museum, Bochum, 1996, pp. 59-61.

ARL#128 *“The technology of birch bark tar manufacture”*, Klaus Ruthenberg, Edith

C. Stout and Curt W. Beck, Proceedings of the 30. International

Symposium on Archaeometry, Urbana, IL, 1996.

ARL#127 *“Central European pine tar technologies”,* Curt W. Beck, Edith C. Stout, \*Jonathan Bingham, \*Jonathan Lucas, and \*Vandana Purohit, (Read at the 30. International Symposium on Archaeometry, Urbana, IL, May 20-24, 1996), Ancient Biomolecules 2 (1999), pp. 281-293.

ARL#126 *“Détermination de la provenance des résines fossiles par l’analyse*

*spectrale en infrarouge”*, Curt W. Beck, in: Denise Leesch, Hauterive-Champréveyres 10: Une campement magdalénien au bord du lac de NeuchIatel Archéologie Neuchâteloise, Vol. 19, Musée Cantonal d’Archéologie, Neuchâtel, 1997; pp. 105-107.

ARL#125 *“Amber of the European Alps”,* Curt W. Beck, Edith C. Stout and

\*Suzanne Hanna, Proceedings of the XIII. International Congress of

Prehistoric and Protohistoric Sciences - Forlì - Italy - 8-14 September 1996, (publ. 1998), Vol. 6, Part I, pp. 497-506.

ARL#124 *“Archäometrische Untersuchungen an Birkenschwelprodukten”*, Klaus Ruthenberg, Curt W. Beck, and Edith C. Stout, Archäometrie und Denkmalpflege 1995, Bochum.

ARL#123 *“Spectroscopic identification of ‘amber’ and ‘black resin’ from Asine”*, Curt W. Beck, in: Robin Hägg, Gullög C. Nordquist, and Berit Wells, eds., Asine III. Supplementary Studies on the Swedish Excavations 1922-1930 [Skrifter utgivna av Svenska Instituteti Athen, 40, XLV:1], Stockholm, 1996, (ISSN 0586-0539; ISBN 91-7916-032-8), pp. 91-92.

ARL#122 *“Herkunft der Bernsteinfunde von Mesooci “Coop” (GR)”*, Curt W. Beck

and Yumiko Takagi, in Biljana Schmid. Sikimic,Mesooco coop (GR)-Eisenzeitlicher Bestattungsplatz in Brennpunkt Zwischem Sud und Nord, Zurih, 2002, pp. 170-172

ARL#121 *“Zur Herkunft bronzezeitlicher Bernsteinfunde von Neftenbach (ZH) und*

*Weiningen (ZH)”,* Curt W. Beck and Yumiko Takagi, in: Calista Fischer, Innovation und Tradition in der Mittel- und Spätbronzezeit, Monographien der Kantonsarchäologie Zürich 28, Zürich and Egg, 1997. (ISBN 3-905647-68-0) pp. 135-137.

ARL#120 *“Comments on a supposed Clovis ‘Mastic’ ”,* Curt W. Beck, Journal of Archaeological Science 23(3) (1996), pp. 459-460.

ARL#119 *"Mediaeval Amber Finds at Petrova Crkva, Serbia",* Curt W. Beck.   
  
ARL#118 *"Beech Wood Tar*", Curt W. Beck, Edith Stout, and \*Susan Hanna.

ARL#117 "*The Provenience of Portugese Archaeological Amber Artefacts –*

*A case study from Moreirinha (Beira Baixa)”,* Curt W. Beck and Raquel Vilaça, Trabalhos de Antropologiae Etnologia 35(4) (1995), pp. 207-213.

ARL#116 *"Organic Residues in Vats at Hierakonpolis: Preliminary Report",*

Curt W. Beck, Edith C. Stout, and \*Judith R. Barnes, Technical Appendix to: Jeremy Geller, "A Predynastic Perspective on Beer and Brewing" in: M. Dietler, ed., Drinking in the Past: Archaeological Perspectives on Alcohol and its Social Roles (New Directions in Archaeology Series), Cambridge University Press, Cambridge, UK, 1994, pp. xx-xx.

ARL#115 *"Organic Residues on Stone Artifacts at the Wilson-Leonard Site"*, Michael B.

Collins, Curt W. Beck and \*Jonathan Bingham.

ARL #114 *"The Provenience of Amber found at the Col des Tourettes (Hautes-Alpes),*

*France"*, Curt W. Beck.

ARL#113 *"The Pyrotechnology of Pine Tar and Pitch inferred from Quantitative Analyses by Gas Chromatography - Mass Spectrometry and Carbon-13 Nuclear Magnetic Resonance Spectrometry"*, Curt W. Beck, Edith C. Stout, and \*Pasi A. Jänne, in: W. Brzezinski and W. Piotrowski, eds., Proceedings of the First International Symposium on Wood Tar and Pitch, Biskupin, Poland, July 1-4, 1993, State Archaeological Museum, Warsaw, 1997, pp. 181-192.

ARL#112 *"Amber"*, Curt W. Beck, in L. Ellis, ed., Archaeological Method and Theory: An Encyclopedia, Garland, NY & London, 2000, pp. 11-13.

ARL#111 *"Nuclear Resonance Spectrometry"*, Curt W. Beck, in L. Ellis, ed. Archaeological Method and Theory: An Encyclopedia, Garland, New York & London, 2000, pp. 399-401.

ARL#110 *"Infrared Spectroscopy",* Curt W. Beck, in: L. Ellis, ed., Archaeological

Method and Theory: An Encyclopedia, Garland, New York & London,

2000, pp. 305-307.

ARL#109 "*The Provenience Analysis of Amber"*, Curt W. Beck, inn:Patrick E. McGovern, "Science in Archaeology: A Review", American Journal of Archaeology, 99 (1995), pp. 125-127.

ARL108 *"Bronzezeitliche Bernsteinperlen aus Reinach (Basel-Land)",* Curt W. Beck and Julie A. Heider, in: Calista Fischer and Bruno Kaufmann, Bronze, Bernstein und Keramik. Urnengräber der Spätbronzezeit in Reinach, BL. Archäologie und Museum. Berichte aus der Arbeit des Amtes für Museen und Archäologie des Kantons Baselland 30 (1994), pp. 64-65.

ARL#107 *"Das Pech von Ruppersdorf",* Curt W. Beck and \*Jonathan Lucas.

ARL#106  *"Spectroscopic Analysis of Adhesives in Andean Artifacts",* C.W. Beck.

ARL#105 *“Amber in Prehistoric Switzerland”* (Monograph). Curt W. Beck, \*Hanni Schwab, \*Calista Fischer, \*Hilairy Hartnett, \*Matthieu Lane, \*Robert P. Akbari, \*Christopher Kroenke and \*Vandana Purohit.

ARL#104 *“Amber in Prehistoric Hungary”* (Monograph), Curt W. Beck, \*Emma Sprincz, \*Lawrence J. Moray, \*Stephen DeSimone, \*Christopher A. Shustak and \*Tracy G. Callahan.

ARL#103 *"Synthesis and Mass Spectra of Resin Acid Derivatives"*, Curt W. Beck and \*Charles Heap.

ARL#102 *"Spectroscopic Analysis of Amber Finds of the Swedish Iron Age"*, Curt W. Beck and \*Michael Lipcan, Berta Stjernquist, Curt W. Beck and Jan Bergström, Archaeological and Scientific Studies of Amber from the Swedish Iron Age. Scripta Minora Regiae Societatis Humaniorum Litterarum Ludensis, 1994-1995, I, pp. 44-49.

ARL#101 *"Identification of Mineralized Bone by Infrared Spectroscopy"*, Curt W. Beck and Josef Bátora, Journal of Archaeological Science.

ARL#100 *"Herkunftsbstimmung vorgeschichtlicher Bernsteinfunde aus Südosteuropa",*

Curt W. Beck, Praehistorische Zeitschrift (Berlin).

ARL#99 *"Report of the ‘Committee on the Study of Amber' (1987-1991)"*, Curt W. Beck,

Actes du XIIe Congrès International des Sciences Préhistoriques et Protohistoriques, Bratislava, 1991, Institut Archéologique de l'Academie Slovaque des Sciences, Bratislava, 1993, Vol. 1 (ISBN 80-88709-03-2), pp. 82-83.

ARL#*98 "Provenance of the Amber Finds in the Early Bronze Age Grave Field at*

*Jelsovce near Nitra in Slovakia",*Curt W. Beck and \*Robert Akbari.

ARL#97 *"Der Wissensstand über chemische Struktur und botanische Herkunft des*

*Bernsteins"*, Curt W. Beck, in F. Roznowski, ed.: Miscellanea Archaeologica Thaddaeo Malinowski Dedicata, Slupsk - Poznan, 1993, pp. 27-38.

ARL#96 *"The Structure of Amber by Carbon-13 Nuclear Magnetic Resonance*

*Spectroscopy*", Joseph B. Lambert and Curt W. Beck, in: C.W. Beck and J. Bouzek, Amber in Archaeology. Proceedings of the Second International Conference on Amber in Archaeology, Liblice, 1990, Institute of Archaeology, Czech Academy of Sciences, Prague, 1993, pp. 28-35.

ARL#95 "*A Bronze Situla from Tomb 128, Valle Trebba: Chemical Evidence of Resinated Wine at Spina*, Eric Hostetter, Curt W. Beck and \*Douglas Stewart, Studi Etruschi 59 (1994). pp. 211-225.

ARL#94 *"Die Bernsteinperlen aus Rubenheim. Ein Beitrag zur spektroskopischen*

*Herkunftsbestimmung vorgeschichtlicher Bernstein funde",* Curt W. Beck.

ARL#93 *"Die Funde der Unetice-Kultur der älteren Bronzezeit mit Bernsteinperlen auf den Gräberfeldern Cejeticky "Choboty I und II" bei Mladá Boleslav (Böhmen)",* Evzen Plesl and Curt W. Beck, in: C.W. Beck and J. Bouzek, Amber in Archaeology. Proceedings of the Second International Conference on Amber in Archaeology, Liblice, 1990, Institute of Archaeology, Czech Academy of Sciences, Prague, 1993, pp. 153-163.

ARL#92 “*Amber in Archaeology”* , Curt W. Beck and Jan Bouzek, eds., Proceedings of the Second International Conference on Amber in Archaeology, Liblice, 1990, Institute of Archaeology, Czech Academy of Sciences, Prague, 1993. ISBN 80-901026-5-4.

ARL#91 *"Identification of Burnt Amber from Hasanlu (Iran) by Infrared Spectroscopy and Pyrolysis Gas Chromatography - Mass Spectrometry"*, Curt W. Beck and Alexander M. Shedrinsky.

ARL#90 *"Plaffeiïte",* Curt W. Beck and \*Hilairy Hartnett.

ARL#89 *"Gedanite and Gedano-Succinite",* Edith Stout, Curt W. Beck, and Barbara Kosmowska-Ceranowicz, " Chapter 7 in: K. Anderson and J.C. Crelling, eds., Amber, Resinite, and Fossil Resins, (ACS Symposium Series, Vol. 617), American Chemical Society, Washington, D.C., 1995, pp. 130-148 .

ARL#88 *"A large Find of supposed Amber from the Baltic Sea"*, Curt W. Beck, Edith Stout and Barbara Kosmowska-Ceranowicz, Geologiska Föreningens i Stockholm Förhandlingar (Sweden) 115(2) (1993), pp. 145-150.

ARL#87 *"Analysis of Naval Stores from the Late Roman Ship"*, Curt W. Beck, \*Douglas R. Stewart, and Edith C. Stout, in Anna M. McCann and Joann Freed, Deep Water Archaeology. A Late-Roman Ship from Carthage and an Ancient Trade Route near Skerki Bank off Northwest Sicily (Journal of Roman Archaeology, Supplementary Series No. 13), Ann Arbor, MI, 1994, pp. 109-121.

ARL#86 *"Sicilian Amber",* Curt W. Beck and \*Hilairy Hartnett, in: C. W. Beck and J. Bouzek, eds., Amber in Archaeology. Proceedings of the Second International Conference on Amber in Archaeology, Liblice 1990, Institute of Archaeology, Czech Academy of Sciences, Prague, 1993, pp. 36-47.

ARL#85 “*Amber in Prehistoric Britain”,* Curt W. Beck and \*Stephen J. Shennan, (Oxbow Monograph No. 8), Oxbow Press, Oxford, 1991. ISBN 0-946897-30-1.

ARL#84 *"Bernsteinfunde im Römermuseum Augst"*, Curt W. Beck, in E. Riha, Der römische Schmuck aus Augst und Kaiseraugst (Forschungen in Augst 10), Amt für Museen und Archäologie des Kantons Basel-Landschaft, Basel, 1990, p. 94.

ARL#83 *"Provenance of Mycenaean Amber Artifacts: Pylos"*, Curt W. Beck, Lily Y. Beck, (Read at the International Congress 'Archaeology and Heinrich Schliemann - A Century after his Death', Athens, April 1990), Greek, Roman and Byzantine Studies 36(2) (1995), pp. 119-135.

ARL#82 *"Ancient Pine Pitch: Technological perspectives from a Hellenistic shipwreck”,* Curt W. Beck and \*Carl Borromeo, MASCA Research Papers in Science and Archaeology 7 (1990), pp. 51-58.

ARL#81 *"Archaeological Chemistry"*, Curt W. Beck, McGraw-Hill Encyclopedia of Science and Technology, 7th edn., McGraw-Hill, New York, 1992, Vol. 2, pp. 58-59.

ARL#80 *"Is the Air in Amber Ancient? (Technical Comment)”,* Curt W. Beck, Science 241 (1988), pp. 718-719.

ARL#79 *"Laboratory Profile: The Amber Research Laboratory"*, Curt W. Beck, Society for Archaeological Sciences, Newsletter, 11(2) (1988), pp. 2-4.

ARL#78 *"Occurrence, Chemical Characteristics, and Paleontology of the Fossil Resins from New Jersey",* David Grimaldi, Curt W. Beck and Jaap J. Boon, Novitates (American Museum of Natural History) No. 2948 (1989), pp. 23-28 pp., 13 figs., 2 tables.

ARL#77 *"Amber from Auvernier"*, Curt W. Beck and \*Tracy G. Callahan, reported in A.-M. Rychner-Faraggi, Hauterive-Champrèveyres. 9. Métal et parure au Bronze final, Neuchâtel, 1993, pp. 66-68.

ARL#76 *"The origin of amber found at Hauterive-Champrèveyres, Switzerland",*

Curt W. Beck, \*Hilairy E. Hartnett and \*John G. Phocas, in A.-M. Rychner-Faraggi, Hauterive-Champrèveyres. 9. Métal et parure au Bronze final, Neuchâtel, 1993, pp.119-121 and Plates 123 and 124.

ARL#75 *"Report of the Activities of the 'Committee for the Study of Amber' for 1982- 1987"*, Curt W. Beck, Union Internationale des Sciences Préhistoriques et Protohistoriques, XIº Congrès, Mainz, 1987, Proceedings.

ARL#74 *"Analysis of Organic Remains from the Kyrenia Wreck"*, Curt W. Beck and Dorreen J. Ossenkop, in: Michael Katzev, The Kyrenia Wreck.

ARL#73 *"L'Importation d'Ambre Balte: Un Échantillonnage Chronologique de l'Est de la France”,* Pierre Pétrequin, Curt W. Beck, J. -F. Piningre, \*Paul Hartmann and \*Stephen DeSimone , Revue Archéologique de l'Est et du Centre-Est 38 (1987), pp. 273-284.

ARL#72 *"Residues and Linings in Ancient Mediterranean Transport Amphoras",*

Curt W. Beck, \*Christopher J. Smart and \*Dorreen Ossenkop, in: Ralph O. Allen, ed., Archaeological Chemistry IV (Advances in Chemistry Series, Vol. No. 220), American Chemical Society, Washington, DC, 1989, pp. 369-380.

ARL#71 *"Analysis of European Amber by Carbon-13 Nuclear Magnetic Resonance Spectroscopy"*, Joseph B. Lambert, Curt W. Beck and James S. Frye, Archaeometry 30 (1988), pp. 248-263.

ARL#70 *"Spektroskopische Untersuchung der Bernstein-Einlage im Schwert von Marainville-sur-Madon",* Curt W. Beck.

ARL#69 *" L'”Ambre” Paléolithique de la Grotte d'Aurensan (Hautes-Pyrénées)”,*

Curt W. Beck, Francis Chantret and Dominique Sacchi, L'Anthropologie (Paris) 91 (1987), pp. 259-262.

ARL#68 *"Baltic Amber in the Cargo of the Bronze Age Shipwreck of Kas",* Curt W. Beck,

This study has been included and cited in the following publication:

G.F. Bass, *A Bronze Age Shipwreck at Ulu Burun (Kas):* American Journal of Archaeology, Vol. 90, No. 3(Jul., 1986), pp. 277& 286.

ARL#67 *"From Zanzibar to Zagros: A Copal Pendant from Eshnunna",* Carol Meyer, Joan M. Todd, and Curt W. Beck, Journal of Near Eastern Studies 50(4) (1991), pp. 289-298.

ARL#66 *"Succinum redivivum",* Curt W. Beck, Acta Praehistorica et Archaeologica (Berlin) 18 (1986), pp 189-190.

ARL#65 *"Spectroscopic Investigations of Amber"*, Curt W. Beck, Applied Spectroscopy Reviews 22(1) (1986), pp. 57-110.

ARL#64 *"Beckerite*", Curt W. Beck, Joseph B. Lambert and James S. Frye, Physics and Chemistry of Minerals 13 (1986) 411-414.

ARL#63 *"How Chemistry tracked the Prehistoric Amber Trail"*, Curt W. Beck, Industrial Chemistry News 6(7) (1985), pp. 16-17.

ARL#62 *"Amber from Mediæval Opole (Poland)"* ,Curt W. Beck and \*Angela Macchiarulo, Studia nad Kultura Wczesnopolskiego Opola, Polska Akademia Nauk - Oddzial we Wroclawiu, Prace Komisji Archeologicznej No. 2 (1984), pp. 149-151.

ARL#61 *"Gagat und Bernstein auf dem Rentierjägerhalt Moosbühl bei Moosseedorf (Kanton Bern)",* Hanni Schwab and Curt W. Beck, Jahrbuch des Bernischen Historischen Museums 63/64 (Festschrift Bandi) (1983/84), pp. 259-266.

ARL#60 *"Une Découverte presumée d'Ambre dans le Depot Magdalenien de la Grotte Gazel a Sallèles-Cabardès, Aude (France)"*, Curt W. Beck, Francis Chantret and Dominique Sacchi, Cahiers Ligures de Préhistoire et de Protohistoire 3 (1986; publ. 1990), pp. 141-146.

ARL#59 *"Analyses de Perles en Ambre de la Drôme et de l'Ardèche, Études Préhistoriques"*, Curt W. Beck, \*John G. Phocas and Joel Vital, 17 (1986), pp. 23-26

ARL#58 *"Les Ambres Pré-historiques dans les Alpes Françaises du Nord"*

Aimé Bocquet, Curt W. Beck and \*John G. Phocas, Bulletin d'Études Préhistoriques Alpines 18 (1986), pp. 197-212.

ARL#57 *"Criteria for Amber Trade; The Evidence in the Eastern European Neolithic"*, Curt W. Beck, Journal of Baltic Studies 16(3) (1985), pp. 200-209.

ARL#56 *"Analysis of a Lizard Inclusion in Purported African Amber"*, Curt W. Beck, in press. Sample from Dr. Richard S. Laub, Curator of Geology at Buffalo Museum of Science

ARL#55 *"Bernsteinfunde im Württembergischen Landesmuseum Stuttgart"*, C. W. Beck.

ARL#54 *"Der Bernsteinhandel: Naturwissenschaftliche Gesichtspunkte" in: Nord-Süd-Beziehungen: Historische und kulturelle Zusammenhänge und Handelsbeziehungen die europäischen Bernsteinstrassen entlang vom 1. Jahrtausend v.u.Z. bis zum Ende der römischen Kaiserzeit"*, Curt W. Beck, Savaria. Bulletin der Museen des Komitats Vas. Sonderband 16 (1982), pp. 11-24 (Published 1983, Szombathely, Hungary).

ARL#53 *"Spectroscopic Provenience Analyses of Archaeological Amber Artifacts"*

Curt W. Beck and \*Stephen J. Shennan, National Geographic Society Research Reports 14 (1982), pp. 49-55.

ARL#52 *"Authentication and Conservation of Amber: Conflict of Interests?"*, Curt W. Beck, in: Norman S. Brommelle and Garry Thomson, eds., Technology and Science in the Service of Conservation (Preprints of the Contributions to the Congress of the International Institute for Conservation of Historic and Artistic Works), Washington, DC, 1982, pp. 104-107.

ARL#51 *"Spectroscopic Analysis of Amber Finds from Carthage"*, Curt W. Beck and \*Tracy G. Callahan.

ARL#50 *"Struktur und Herkunftsbestimmung des Bernsteins"*, Curt W. Beck, Acta Praehistorica et Archaeologica (Berlin) 16/17 (1984/85), pp. 219-221.

ARL#49 *"Report of the 'Committee on the Study of Amber"*, Curt W. Beck, Union Internationale des Sciences Préhistoriques et Protohistoriques, Xº Congrès, Mexico, 1981, Actas (1982), pp. 9-15.

ARL#48 *"Physical Methods Used to Determine the Geological Origin of Amber and Other Fossil Resins; Some Critical Remarks: Comment",* Curt W. Beck, Physics and Chemistry of Minerals 8 (1982), pp. 146-147.

ARL#47 *"Provenance of Late Mycenaean Amber from Emporio, Chios",* Curt W. Beck and \*Christopher A. Shustak, in: Sinclair Hood, Excavations in Chios 1938-1955. Vol. II. Prehistoric Emporio and Ayio Gala. Annual of the British School of Archaeology at Athens, Supplementary Volume 16 (1982), pp. 727-730.

ARL#46 *"A szegedi Móra Ferenc Múzeum bronzkori borostyánkö gyöngyeine eredete (Bronze Age Amber in the Ferenc Móra Museum in Szeged)"*, Curt W. Beck and Emma Sprincz, Archaeologiai Értesitö 108 (1981), pp. 206-210.

ARL#45 *"The Origin of the Amber found at Hallstatt"*, Curt W. Beck and Emma Sprincz, Acta Archaeologica Academiae Scientiarum Hungaricae 35 (1983), pp.171-178.

ARL#44 *"Classification of the Amber Beads of the Hungarian Bronze Age"*, Emma Sprincz and Curt W. Beck, Journal of Field Archaeology 8 (1981), 469-485.

ARL#43 *"Découverte à Charavines (Isère) d'Ambre Néolithique Provenant de la Mer Baltique",* Curt W. Beck and Aimé Bocquet, Académie des Inscriptions et Belles-Lettres, Paris, Comptes Rendu (1982), pp. 725-729.

ARL#42 *"Eine neolithische baltische Bernsteinperle aus Südostfrankreich",* Curt W. Beck and Aimé Bocquet, Archäologisches Korrespondenzblatt13,(1983), pp. 315-317.

ARL#41 *"The Role of the Scientist: The Amber Trade, the Chemical Analysis of Amber, and the Determination of Baltic Provenience"*, Curt W. Beck, Journal of Baltic Studies 16(3) (1985), pp. 191-199.

ARL#40 *"Sommaire d'Analyses Infrarouges des Fouilles d'Ambre en Languedoc- Roussillon"*, Curt W. Beck, Jean-Louis Roudil and \*Angela M. Macchiarulo.

ARL#39 *"Expertise zur Provenienz von Bernsteingegenstände[n]",* Curt W. Beck, in

J. Waldhauser, ed., Das keltische Gräberfeld bei Jenisuv Ujezd in Böhmen, Teplice (CSFR), 1978, p. 225.

ARL#38 *"The Provenience of Amber in Grave 6 [at Hallstatt]"*, Curt W. Beck and \*Christopher J. Smart, in: Peter S. Wells, The Emergence of an Iron Age Economy. The Mecklenburg Grave Groups at Hallstatt and Sticna. American School of Prehistoric Research, Bulletin 33 (1981), pp. 36-37.

ARL#37 *"Analysis of an 'Assyrian' Amber Statuette", in: Oscar White Muscarella, "Unexcavated Objects and Ancient Near Eastern Art: Addenda"*, Curt W. Beck, Monographic Journals of the Near East, Occasional Papers 1(1) (1979), pp. 15-19.

ARL#36 *"Organic Residues"* , Curt W. Beck and \*Larry Moray, in: Donald S. Whitcomb and Janet H. Johnson, Quseir al-Qadim 1978: Preliminary Report, American Research Center in Egypt, Cairo, 1979, pp. 253-256.

ARL#35 *"The Chemical Identification of Baltic Amber at the Celtic Oppidum Staré Hradisko in Moravia"*, Curt W. Beck, \*Jacqueline Greenlie, \*Michael P. Diamond, \*Angela M. Macchiarulo, \*Alexander A. Hannenberg and \*Melanie S. Hauck, Journal of Archaeological Science 5 (1978), pp. 343-354.

ARL#34 *"Origine de l'ambre des grottes du Hasard et du Prevel"*, Curt W. Beck and \*Theresa Liu, Gallia Préhistoire 19 (1976), pp. 201-207.

ARL#33 *"Bronze and Iron Age Amber Artifacts in Croatia and Bosnia-Hercegovina",*

Joan M. Todd, Marijean Eichel, Curt W. Beck and \*Angela Macchiarulo, Journal of Field Archaeology 3 (1976), pp. 313-327.

ARL#32 *"Die Herkunft der Bernsteinfunde vom Hagenauer Forst",* Curt W. Beck, \*Theresa Liu and \*Richard Nunan, Beiträge zur Archäologie und Kunstgeschichte. Bericht der staatlichen Denkmalpflege im Saarland 22 (1975), pp. 5-17.

ARL#31 *"The Provenience of Amber in Bronze Age Greece"*, Curt W. Beck, Annual of the British School of Archaeology in Athens 69 (1974), pp. 170-172.

ARL#30 *"Nuclear Magnetic Resonance Spectrometry in Archaeology"*, Curt W. Beck, \*Constance A. Fellows and \*Edith MacKennan, in: Curt W. Beck, ed., Archaeological Chemistry (Advances in Chemistry No. 138), American Chemical Society, Washington, DC, 1975, pp. 226-235.

ARL#29 *"The Origin of Archaeological Amber Artifacts from Yugoslavia",* Curt W. Beck and \*Theresa Liu, Académie Serbe des Sciences et des Arts, Belgrade, Bulletin 51 (1974), pp. 115-118.

ARL#28 *"Provenience Analysis of Yugoslavian Amber Artifacts"*, Curt W. Beck and Theresa Liu\*, Zbornik radova Narodnog Muzejau Beogradu = Recueil des Travaux du Musée National de Belgrade 7 (1973), pp. 133-142.

ARL#27 *"The Origin of Amber Artifacts of the European Bronze Age"*, Curt W. Beck, Yearbook of the American Philosophical Society (1973) 530.

ARL#26 *"The Origin of the Amber found at Tepe Marlik (Iran)"*, Curt W. Beck and Teruko Muroga, Japanese Studies in the History of Science 11 (1972), pp. 99-102.

ARL#25 *"Analysis and Provenience of Minoan and Mycenaean Amber. IV. Mycenae"*, Curt W. Beck,\*Gretchen C. Southard and \*Audrey B. Adams, Greek, Roman and Byzantine Studies 13 (1972), pp. 359-385.

ARL#24 *"Aus der Bernsteinforschung"*, Curt W. Beck, Naturwissenschaften 59, (1972), pp. 294-298.

ARL#23 *"Amber from the Eneolithic Necropolis of Laterza"*, Curt W. Beck, Origini (Rome) 5 (1971, pp. 301-305, 307, 309.

ARL#22 *Stanislav Bernatt, "Bursztyny w podczerwieni" (Polish translation of "Die Herkunftsbestimmung archaologischer Bernsteinfunde aus Polen",* Curt W. Beck and \*Theresa Liu), Problémy (Warsaw) (1971), Nr. 12, pp. 36-37.

ARL#21 *"Determination of the Origin of Greek Amber Artifacts by Computer- Classification of Infrared Spectra"* ,Curt W. Beck, \*Audrey B. Adams, \*Gretchen C. Southard and \*Constance A. Fellows, in: Robert H. Brill, ed., Science and Archaeology, M.I.T. Press, Cambridge, MA, 1971, pp. 235-240.

ARL#20 *"Analysis and Provenience of Minoan and Mycenaean Amber. III. Kakavatos"*,Curt W. Beck, \*Constance A. Fellows and \*Audrey B. Adams, Greek, Roman and Byzantine Studies 11 (1970), pp. 5-22.

ARL#19 *"The Origin of Amber Artifacts"* ,Curt W. Beck, in: R. Ross Holloway Satrianum. The Archaeological Investigations Conducted by Brown University in 1966 and 1967, Brown University. Press, Providence, RI, 1970, pp. 119-120, 135, Fig. 181.

ARL#18 *"Amber in Archaeology"*, Curt W. Beck, Archaeology 23(1) (1970), pp. 7-11.

ARL#17 *"Die Herkunft des Bernsteins vom thrakischen Gräberfeld von Chotin"* , Curt W. Beck and Mikulas Dusek, Slovenská Archeológia 17(1) (1969), pp. 247-258.

ARL#16 *"Analysis and Provenience of Minoan and Mycenaean Amber. II. Tiryns"*, Curt W. Beck, \*Gretchen Southard and \*Audrey B. Adams, Greek, Roman and Byzantine Studies 9 (1968), pp. 5-19.

ARL#15 *"Catalogue of Infrared Spectra of Fossil Resins (Ambers). I. North and South America",* Jean H. Langenheim and Curt W. Beck, Botanical Museum Leaflets (Harvard University) 22(3) (1968), pp. 65-120.

ARL#14 *"Ricerche sulla provenienza di manufatti archeologici d'ambra"* , Curt W. Beck, Quaderni di Merceologia 7 (1968), pp. 1-23.

ARL#13 *"The Provenience of Mycenaean Amber Artifacts"*,Curt W. Beck, Audrey B. Adams\* and Gretchen C. Southard\*, (Read at the 69th General Meeting of the Archaeological Institute of America, Boston, MA, December 30, 1967). Abstract: American Journal of Archaeology 72 (1968), pg. 161.

ARL#12 *"The Provenience of Mycenaean Amber"*, Curt W. Beck, Yearbook of the American Philosophical Society (1967), pp. 456-458.

ARL#11 *"Bemerkungen zur infrarotspektroskopischen Herkunfts-bestimmung vonBernstein"* , Curt W. Beck, Jahrbuch des Römisch-Germanischen Zentralmuseums Mainz 13 (1966), pp. 292-295.

ARL#10 *"The Provenience of Mycenaean Amber"*, Curt W. Beck and \*Gretchen C. Southard, Atti e Memorie del Primo Congresso Internazionale di Micenologia, Rome, 1967, Vol. 1, pp. 32-36. Samples from the Athen National Museum.

*ARL#9 "The Provenience of Archaeological Amber Artifacts. An Annotated Bibliography. Part II: 1900-1966"*, Curt W. Beck, \*Martha Gerving and \*Elizabeth Wilbur, Art and Archaeology Technical Abstracts 6(3) (1967), pp. 203-280.

ARL#8 *"The Provenience of Archaeological Amber Artifacts. An Annotated Bibliography. Part I: Eighth Century B.C. to 1899"* , Curt W. Beck, \*Martha Gerving and \*Elizabeth Wilbur, Art and Archaeology Technical Abstracts 6(2) (1966), pp. 215-302.

ARL#7 *"Analysis and Provenience of Minoan and Mycenaean Amber. I.",* Curt W. Beck, Greek, Roman and Byzantine Studies 7 (1966), pp. 191-211.

ARL#6 *"The Infrared Spectra of Amber and the Identification of Baltic Amber",*

Curt W. Beck, \*Elizabeth Wilbur, \*Silja Meret, \*Doreen Kossove and \*Karen Kermani, Archaeometry 8 (1965), pp. 96-109.

ARL#5 *"The Origin of the Amber found at Gough's Cave, Cheddar, Somerset",*

Curt W. Beck, Proceedings of the University of Bristol Spelaeological Society 10 (1965) 272-276.

ARL#4 *"Determination of the Provenience of Amber by Infrared Spectrophotometry"* , Curt W. Beck (Read at the 67th General Meeting of the Archaeological Institute of America, Providence, RI (December 30, 1965) Abstract: American Journal of Archaeology 70 (1966), pg. 183.

ARL#3 *"Infrared Spectra as a Means of Determining the Botanical Sources of Amber”,* Jean H. Langenheim and Curt W. Beck, Science 149 (1965), pp. 52-55.

ARL#2 *"Determination of the Provenance of Archaeological Amber by Chemical*

*Analysis",* Curt W. Beck, Yearbook of the American Philosophical Society

(1964), pp. 241-243.

ARL#1 *"Infrared Spectra and the Origin of Amber*" , Curt W. Beck, \*Elizabeth Wilbur and \*Silja Meret, Nature 201 (1964), pp. 256-257.