



# Entomological Collections Network

A model for accessible professional networking



Christy Bills  
ECN Executive Committee Member &  
Invertebrates Collection Manager at  
Natural History Museum of Utah

SPNHC 2014



# ENTOMOLOGICAL SOCIETY OF AMERICA



\*from History of ECN presentation: David Furth of the Smithsonian Institute, 2008



# 80386 POWER IS HERE—THE TANDY 4000

• Revolving Credit Available  
See Page 3



## 32-Bit Technology! 16 MHz Clock Speed! OS/2 Ready!

NEW FOR 88

**2599<sup>00</sup>**

Only \$95 Per Month on Our Commercial Lease (Plus Applicable Use/Sales Tax)

Monitor and display adapter not included.

- A Price Breakthrough in 80386-Based Technology
- 16 MHz Clock Speed and 32-Bit Data Path Provide Minicomputer Performance in a PC
- Races Through Today's Software, Ready for the Next Generation in Software, Such as OS/2
- 3 1/2" Disk Drive Stores 1.4 Million Characters Per Disk

**Tandy 4000.** Put a Tandy 4000 on your desk and unleash the raw power of the 80386 microprocessor. The 4000 is so cost effective you can actually configure a 386 system for less than you'd pay for a competitor's 286 model. The 80386 is a 32-bit microprocessor operating at a 16MHz clock speed (ordinary PCs poke along at 4.77 MHz with an 8-bit data path). The Tandy 4000 features a 1.4-megabyte 3 1/2" disk drive, with room for two more internal drives—either

processor. One megabyte of memory is standard, and you can expand with another megabyte on the main board, plus 2 megabytes using a dedicated memory slot (bringing total memory to 4 megabytes). Using one megabit memory chips, the system can be expanded to 16 megabytes.

25-5000	2599.00
2-Megabyte Memory Expansion Board, 25-5030	799.00
1-Megabyte Kit, 25-5031	429.95

### Operating Systems

MS-DOS 3.2/BASIC/DeskMate II for the Tandy 3000 HL/3000/4000.	
25-4103	\$9.95
XENIX Multiuser Operating System.	
25-4201	\$95.00
XENIX Development System.	
25-4202	\$95.00

**SPECIFICATIONS.** Microprocessor: Intel 80386 processor with 32-bit data path. Clock speed: 16 MHz. Object code compatible with 8086/8088. Real-time clock with battery backup. Operating System: Optional MS-DOS 3.2 with GW-BASIC or XENIX System V. Memory: 1 megabyte RAM (expandable to 4 megabytes using expansion slots). Includes power-up diagnostics. Sound included. Keyboard: Enhanced 101-key keyboard. Disk Drive: 3 1/2" floppy disk drive (1.4 megabytes). Three hard drive slots. Internal



# ECN Mission Statement

from 1989 workshop

1. To foster **better lines of communication** between institutions that maintain arthropod collections





## ECN-L Archives

### May 2014, Week 3

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Subject ▲	From	Date
 <a href="#">Position Announcement: Collections/Digital Data Manager in Copenhagen</a>		
<a href="#">Position Announcement: Collections/Digital Data Manager in Copenhagen</a>	Kampmeier, Gail E < <a href="#">log in to unmask</a> >	Tue, 20 May 2014 14:13:10 +0000
 <a href="#">Post-doc job opportunity: Chrysopidae molecular phylogenetics; immediate start</a>		
<a href="#">Post-doc job opportunity: Chrysopidae molecular phylogenetics; immediate start</a>	Shaun Winterton < <a href="#">log in to unmask</a> >	Thu, 15 May 2014 13:20:20 -0700
 <a href="#">Second-hand insect models</a>		
<a href="#">Second-hand insect models</a>	Jade Savage < <a href="#">log in to unmask</a> >	Fri, 16 May 2014 13:30:36 +0000



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1. To foster **better lines of communication** between institutions that maintain arthropod collections
2. To provide a **forum for education on techniques** appropriate for the management of arthropod collections including issues related to collection computerization and automation of curatorial procedures

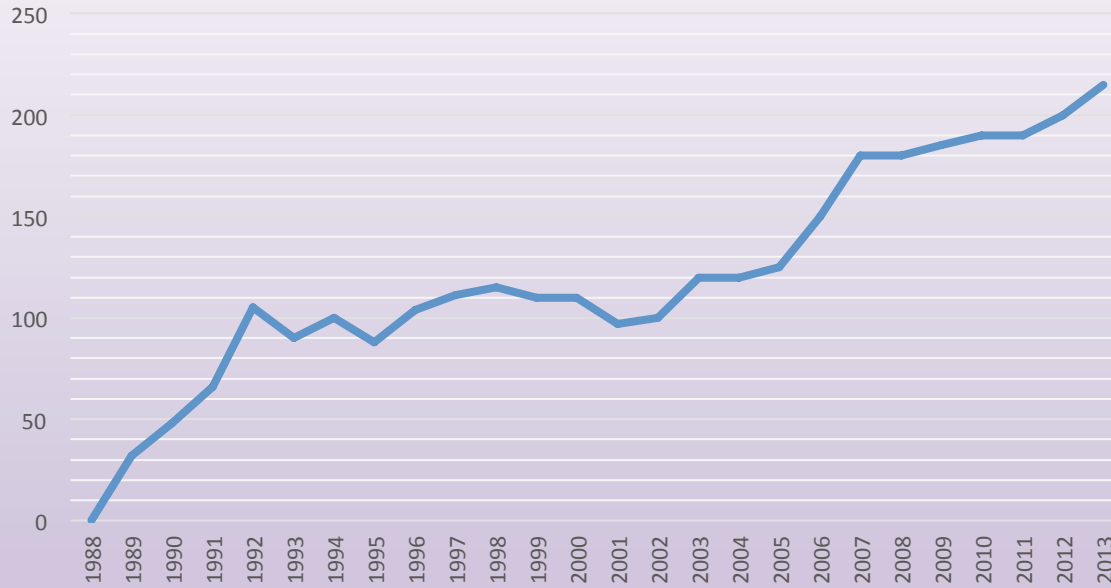


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1. To foster **better lines of communication** between institutions that maintain arthropod collections
2. To provide a **forum for education on techniques** appropriate for the management of arthropod collections including issues related to collection computerization and automation of curatorial procedures
3. To **develop standards** for data collection and representation in the areas of nomenclature and classification, geographic and locality information, database format and structures, applications, software, computer equipment and development languages



## ECN Attendance



\*from History of ECN presentation: David Furth of the Smithsonian Institute, 2008







ECN, 2012  
Knoxville, TN



# Topics of ECN Presentations

<b>SUBJECT TOPICS</b>	<b>NUMBER</b>
Smaller Collections	18
Larger Collections	4
Collection Moves/Facilities	6
CM/Field Procedure/Practice	51*
Legal/Permits	19
Collection Data & Databases	44*
Systematics [nomenclature, etc.]	12
Ordinal Projects	13
Surveys	34
Mapping	7
Imaging & Illustration	11
Publication	19
Programs & Initiatives	15
Funding	5
Conservation	3
Service/Outreach	7
Internet-related	14
Molecular	9
ECN [public affairs], ESA	12
<b>TOTAL</b>	<b>303</b>
Panel Discussions	13
Meeting & Project Reports	24
Demos	10

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3. To **develop standards** for data collection and representation in the areas of nomenclature and classification, geographic and locality information, database format and structures, applications, software, computer equipment and development languages
4. To **facilitate sharing of data, programs, expertise and experience** among arthropod collection managers, curatorial staff and interested members of the systematics community.

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# Positive

- Increasing attendance



# Positive

- Increasing attendance
- Associated with ESA meeting

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# Positive

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- List-serv

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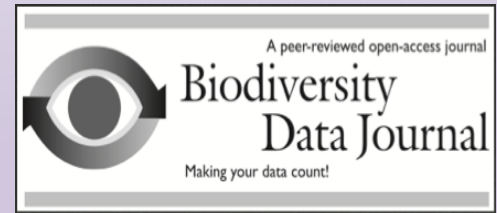
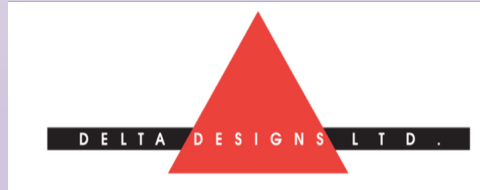
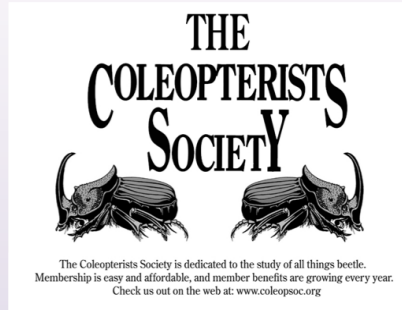
# Positive

- Increasing attendance
- Associated with ESA meeting
- List-serv
- Great sponsors

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# ECN Sponsors...





# Positive

- Increasing attendance
- Associated with ESA meeting
- List-serv
- Great sponsors
- Loosely organized
  - no 'real' membership and no dues
  - Inexpensive
  - Informal

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# Current officers

**Christy Bills** ([cbills@umnh.utah.edu](mailto:cbills@umnh.utah.edu))



- annual meeting registration
- maintains the ECN Facebook page

**Floyd Shockley** ([ShockleyF@si.edu](mailto:ShockleyF@si.edu))



- local arrangements for annual meeting
- maintains ECN Twitter account

**Pamela Horsley** ([pamela.horsley@gmail.com](mailto:pamela.horsley@gmail.com))



- program development
- sponsor relations
- ECN website maintenance



# Negative

- Loosely organized
  - transfer of officership
  - recruitment of help
  - no “real” voting body
  - banking issues



# New Directions

- Partner with iDigBio
  - Webconferencing
  - Increase international exposure
  - Support SCNet
- Partner with SPNHC
- Publish Best Practices papers?
- Social Media Team – Facebook and Twitter
- Structure
  - Voting body
  - New bylaws



**EntomologyCollection**  
@EntCollNtwrk



Thank you...

To Gil Nelson of iDigBio for inviting me to represent ECN

To Katja Seltmann for the original discussion of the the ECN model

To David Furth of the Smithsonian Institute for generously sharing the History of ECN presentation

