



# The Adventure

VOLUME 7, NUMBER 4, April 2000

## Web Awards!

### Calendar of Events:

5/6-7/00	Flower Planing at Murfield
5/13-14/00	Flower Planing at Murfield
6/24/00	Wyandotte Lake, Scout Family Fun Day
6/9/00	Sleepover
6/10/00	Garage Sale
6/24/00	Wyandot Lake
7/2-8/00	Summer Camp
7/4/00	No Meeting
9/19/00	Open House [First Nighter]
10/13-15/00	Book Binding Campout [Exchange Lodge]
10/31/00	Pizza Party
12/15/00	Silver Beaver Apps Due
12/19/00	Christmas Party
12/26/00	No Meeting
12/28/00	Leave for New Zealand

### Changes in Leadership

*James D. Corder*

Neil Coplin	President
Ho-Sheng Hsiao	Vice President
Open/Elections	Sec/Tres
Aaron M. Croyle	Patrol Leader Hawk
Suhasini Aswath	Asst. Patrol Leader
Jack Trout	Patrol Leader Owl
Ian Cunnyngnam	Asst. Patrol Leader

### Quote of the Month

*Nehru*

Everything changes continually. What is history, indeed, but a record of change. And if there had been very few changes in the past, there would have been little of history to write

### New Advisor

*James D. Corder*

I would like to welcome Jon Houge as a new Associate Advisor to Venturing Crew 369. Jon brings a strong background of programming to the unit.

### Membership Open House

*James D. Corder*

The new youth leaders would like to start a new beginners' class. Therefore, Venturing Crew 369 will have an Open House on Tuesday June 13th.

Membership is open to young men and women between the ages of 14 [and in high school] and 20 years of age. Cost of membership is \$25.00 a year. Cost of the beginner's course material is \$25.00. Registration and money is due by July 3rd.

If you know anyone that would be interested have them contact the youth at:

[exp369@post369.columbus.oh.us](mailto:exp369@post369.columbus.oh.us)

### Web Status, For April

Hits	Pages	Title
109360	8219	Bible
161692	22063	Venturing
263787	34431	Scouting
161692	22063	Venturing
24732	2698	Adventure
90116	7154	Links
135315	6506	Crew
137741	11053	Calendar
180068	12595	Members
99196	8944	Adults
6296	1213	Toadies
47280	3496	Youth
56268	5499	Program
1556	587	Project

### Venture Code

I believe that America's Strength lies in her trust in God and in the courage and strength of her people.

I will, therefore, be faithful in my religious duties and will maintain a personal sense of honor in my own life.

I will treasure my American heritage and will do all I can to preserve and enrich it.

I will recognize the dignity and worth of my fellowmen and will use fair play and goodwill in dealing with them.

I will acquire the venturing attitude that seeks the truth in all things and adventure on the frontiers of our changing world.



## Crew Finances

<u>Topic</u>	<u>Need</u>	<u>On-Hand</u>
The Adventure	\$95,000	\$225.00
General Fund	\$3,000	\$688.62
Floor Fund	\$2,500	\$2,500.00
Electrical Fund	\$2,500	\$2,500.00
Flag Fund	\$1,000	-\$532.35
Room Fund	\$3,800	\$0.00
<b>Grand Total</b>	<b>\$6,063.62</b>	
<b>In the Bank</b>	<b>\$5,500.00</b>	
<b>Cash on Hand</b>	<b>\$188.6</b>	

## Up-an-Coming Crew Expenses

12/01/01 Crew Charter	\$30.00
12/01/01 Crew Insurance	\$375.00
12/31/01 Registration	\$1,875.00
Monthly The Adventure	\$75.00

## Up-an-Coming Member Expenses

09/05/00 Registration	\$25.00
09/26/00 Book	\$25.00
06/06/00 Summer Camp	\$175.00

[exp369@post369.columbus.oh.us](mailto:exp369@post369.columbus.oh.us)

Mailing to this reflector grants 369 the uncompensated and unrestricted usage of your mail/posting in its [but not limited to] WebPage, Newsletters, books, flyers, etc.!!!

## Our Principals:

- 1) Honor before all else.
- 2) The difference between a winner and a loser is that the winner tried one more time.
- 3) K.I.S.M.I.F.
- 4) Y.C.D.B.S.O.Y.A.

## Our Creed:

*Exploring: Enthusiasm, Energy, & Excellence.*

## Venture Crew 369:

Venturing Crew369 was chartered on December 31, 1994 to the Reformation Lutheran Church.

Venturing Crew369 specializes in UNIX for Programmers while emphasizing a deep theme of Engineering Computer Information & Science through an Entrepreneurial Spirit. Membership in Venturing Crew 369 is open to young men and women between the ages of 14 [and in high school] and not yet 20. Annual Membership fees are \$25

## Our Web Page:

<http://post369.columbus.oh.us>

The views in this NewsLetter are strictly those of Venture Crew 369 and they do not necessarily represent the views or opinions of the Reformation Lutheran Church or the Boy Scouts of America and/or the Simon Kenton Council.

## Our E-Mail Addresses

### Adults Members:

James D. Corder <sup>(E)</sup>	www.corder .com
Don Corder Sr.	Committee Member
David J. Alden	Consultant
Herb Docken	Institutional Representative
Andy Drake	drakea@nationwide.com
Rick Gauger	Committee Member
Joe Harvey <sup>(E)</sup>	joharve4@vt.edu
Terry Jones	Committee Member
Ralph Maurer <sup>(E)</sup>	Committee Chairman
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### Youth Members:

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Jack Trout	witmore@netzero.com
Heather Ward	Ward.336@osu.edu
Nabeel A. Yousef	-

### Toadies:

Aaron Morris

Page

(E)

Eagle Scout



Venturing Crew 369  
P.O. Box 307218  
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United States of America



We are looking for a new sponsor for The Adventure, Can you help?

## A Vision of the Future?

Aaron M. Croyle      croyle.6@osu.edu

Picture, if you will, this scene: Just like every other morning, I awoke to watch the lights in my bedroom flash on. I thought about what I would wear today, and instantly knew the weather forecast. As I get out of bed and head toward the bathroom I see the hall light blink on, and hear the exhaust fan kick on and the sound of running water (I haven't had to risk a cold shower in years). As I walk back to my room, the coffee pot down in the kitchen starts brewing (I thought a cup of coffee would be nice)...

Does this sound like an advance of science or science fiction? I recently found a few on-line articles that begin to point to the former. How do you like the idea of having mechanical implants in your body that broadcast your thoughts to a computer, and that can receive information back from that computer? Sounds cool doesn't it, but what kind of dilemmas could this cause? When do we stop being human and become just a thinking machine?

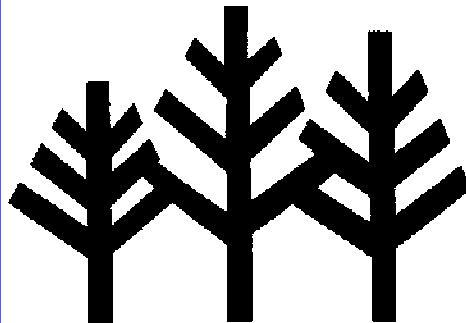
Here are the articles to which I refer:

<http://search.npr.org/cf/cmn/cmnp505fm.cfm?SegID=70017>  
[http://www.wired.com/wired/archive/8.04/joy\\_pr.html](http://www.wired.com/wired/archive/8.04/joy_pr.html)

## Old Glory

Heather Ward      ward.336@osu.edu

Since I've been a member of Crew 369, the group has been fortunate in having a storage room, enough terminals for our current membership, and furniture to set up our network. However, we still lacked one thing: our own American flag; that changed this past month. I would like to take this opportunity to thank Representative Deborah Pryce for her support of the Crew. Representative Pryce kindly donated an American Flag that flew over the U.S. Capitol building. This flag will be taken with Venturing Crew 369 on our travels and will be flown everywhere we go, serving as a record of our history. It is truly the kindness and generosity of those around us which enables the crew to be the group it is.



## Great Crew Logo

Paul Basso, Advisor Crew 119  
kealoha@internetcds.com

I couldn't help but notice that your crew logo when I first entered your site. How did you get such an impressive logo. We're just starting up our crew and I was looking at different sites to see how we want to portray ourselves to the world. I very much like your logo and would love to have ours look similar. Keep up the good work. May God be with your crew and everything they endeavor to do in His name.

## Great Site

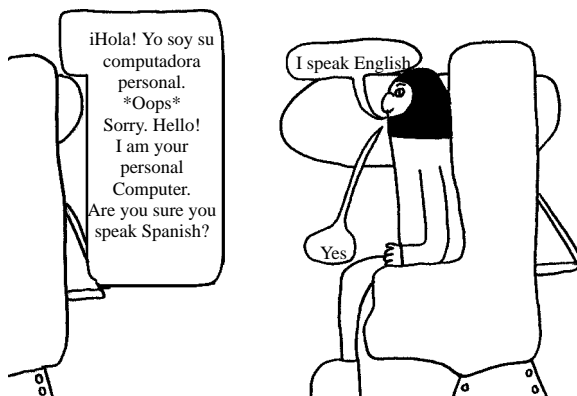
Susan McGehee  
singingeagle51@yahoo.com

My name is Susan and I am Cub Master of Pack377 here in McGehee, Arkansas. I frequent your site and you have a Fantastic Site! Keep up the good work! I recently created my own Web Page and added a link to your page, which I hope was permissible. My page is about recent WoodBadge Beading Ceremonies of which I was in the Eagle Den (SR-CS-13). My address is:

[www.singingeaglecub377.homestead.com/WoodBadge.html](http://www.singingeaglecub377.homestead.com/WoodBadge.html)

## Bob's Kingdom

By: Daniel Morris



To Be Continued

<http://post369.columbus.oh.us>

Another Web Award



I enjoyed surfing your site, and I am sure everybody else will too. Your site is Close to a Silver.

root@davinci:~>vmstat 5

r	b	w	swap	free	re	mf	pi	po	fr	de	sr	s1	s2	s3	--	in	sy	cs	us	sy	id
0	0	0	4092	13988	1	131	35	30	37	0	2	19	1	1	0	132	820	137	9	13	77
0	1	0	230700	4768	0	179	0	0	0	0	0	76	1	0	0	349	743	314	20	31	50
0	0	0	231988	5356	0	71	2	0	0	0	0	52	0	1	0	219	528	224	11	14	74

CUT

r	b	w	swap	free	re	mf	pi	po	fr	d e	sr	s1	s2	s3	--	in	sy	cs	us	sy	id
1	3	0	229980	3096	35	253	141	560	560	0	0	79	1	0	0	313	1030	321	31	36	33
0	3	0	229332	2868	24	197	527	628	671	0	43	89	1	1	0	383	946	262	35	34	31
0	3	0	229388	2980	14	160	452	472	565	0	80	87	2	2	0	355	765	257	23	31	46
0	1	0	230384	4216	5	114	344	214	214	0	0	73	1	0	0	307	1390	302	21	31	48

## VMSTAT

Stephen P. Potter [spp@ds.net](mailto:spp@ds.net)

VMSTAT: Your performance monitoring friend, part I -- the process queue

In my career, I am often called upon to look at performance issues and problems that systems are having. Over time, I've found a reasonably good methodology for determining where problems might reside and how to resolve them. The first tool I turn to when I'm starting on a new system is vmstat. vmstat is described by the man page as "Report virtual memory statistics". However, this tool does far more than that. Not only does it report on the memory, it also reports on processes, processors, and the I/O system. Here's an example of a vmstat output running every five second

*See Chart Above:*

The first line tells what we're going to see, "procs" -- the system process queue, "memory" -- the virtual memory system, "page" -- statistics on the memory management (see March 2000 article on Paging Vs. Swapping), "disk" - - the disk subsystem activity, "faults" -- information on page faults or context switches, and "cpu" -- how the CPU is utilized. The next line explains what each column means. We'll save the definition of each column as we discuss the various sections. Notice the first line of data looks vastly different from the other two lines. We want to ignore this first line, as it is attempting to show us averages from the time the system was booted, a generally meaningless statistic.

Let's concentrate on "procs", the system process queue. We see three statistics for the queue: the runnable processes, the blocked processes, and the processes that are swapped out. Of these, only "r" and "b" are interesting to us, "w" -- the swapped out processes -- usually only means that these processes are idle and not really taking up system resources.

A runnable process is a process that is ready to utilize the CPU when its timeslice comes about. Generally, we would want to see this number be something less than two or three times that number of processors (3 on a single processor machine, 6 on a dual processor machine, etc.). If it gets larger, it could be an indication that the system is trying to do too much and needs to have more processing power (more or faster processors). If this number is always one times the number of processors or less, then the machine may have been configured with too many processors.

The blocked process column is a sign of a possibly significant system problem. Processes are blocked when they are waiting on some form of I/O, generally disk access or network access. In some situations, especially large database queries, this number may be seen from time to time. However, if it is seen regularly and the number is close to the run queue size, it is time to tune the filesystem. On the second line we see one blocked process, nothing to concern ourselves with. However, further down in the real data,

we started to see several twos and threes, meaning we wanted to look more closely at our disks.

As you can see, just by looking at two columns of vmstat, we've already been able to locate two possible performance issues. vmstat is one of the best statistic gathering tools available for quickly pinpointing performance areas needing further analysis.

<http://post369.columbus.oh.us>

Another Web Award:-)



We are proud to have the SilverSurfer on such a page as yours...It not only reflects your taste... But also ours. We thank you... Again. We are honored to have this award on your page... Congrats on a \*SILVER\*...You are one of the best... ShadowRun

## Planning for the Future

Neil Coplin *coplin.7@osu.edu*

Since the crew is always looking ahead and expanding, we have decided to hold another first nighter. With this, we will be starting another white class in June. The First Nighter will be held in the church on June 13th at 7:30pm. In the past, most of the youth attending the First Nighter have been from the local High Schools. This year, the crew will also be looking into user groups in Columbus, OSU and parks and recreation services as other places where youth might be looking for another possibility in computing.

One of the goals of the officers this year is to double our enrollment. This means we will have 50 youth registered before membership closes again this winter. In order to accomplish this, greenbar would like to have at least 20 new youth as a result of this first nighter. With the drastic increase in numbers that the crew had last year, momentum is on our side. We're growing.

If you or anyone that you know (between 14 and 20) is looking to join the crew or is interested in computers, then we encourage you to

attend this first nighter.

## Future of internet usage

Jack Trout *Witmore@netzero.com*

Given the new world of technology and the internet Appliance, innovation which uses an application server and is inexpensive and has a built in modem you can dial in to the internet and surf it with almost no over head. One company has come around to aide this leap. <http://www.thinkfree.com/> you sign up for a login to this site. the sign up process includes some basic consumer information and an email address is required. Once you log in it will determine what browser your running and a shared place to put the java classes. It will download java programs to your computers so as you begin a new process for the first time you have to wait for it to download then once it is downloaded you may use it even off-line. when you connect it allows you SSL connection to 20mg of storage space online. This space can be mounted onto the program when you log onto the internet site allowing you to save documents and move from station to station. It offers a full suite for office usage. A Presentation program, A word processing program with spell check and thesaurus, and a spreadsheet program this can be a new idea for crossplatform working. Currently the they only have a working version for MS PC but they anticipate ports to linux and to macintosh soon.

## awk and sed

Ho-Sheng Hsiao *hhh@lost-realities.org*

While I'm working for the OSU's Music Cognition Lab, I was given a program to update. The original author had insisted on using C. Once he has written the program, there were enough issues with the program that no one in the lab trusted it.

The lab records music performances, and often times compares the actual performance with a ideal, "perfect" performance. An error analysis program goes through the two files, and marks out all the errors. There's a type of error where the performer adds extra notes. Sometimes, the performer adds extra notes. This program, called "backup", marks these extra additions as "backups".

The file format looks something similar to:

```
X X X X X aaa bbb A ...
X X X X X aaa bbb A ...
X X X X X aaa --- S ...
```

The first five columns are experiment identity columns. Those are ignored. Backup looks only at the 6th, 7th, and 8th columns to determine if there is a "backup". Compare the above two lines, for example the first two lines. The 6th column of line 1 must match with the 6th column of line 2. The 7th column on line 1 must match with the 7th column on line 2. The 8th columns must be marked as "A". And neither the 6th or 7th column should be marked "---". In the first two lines of the example, lines 1 and 2 are "backups", and the "A" should be modified to a "B".

This was clearly text processing, something the UNIX tools do very well. I had said that I could write a program in shell script to handle that. I was met with disbelief -- so here's the script to solve that.



Venturing  
Crew 369  
has a new  
Youth  
President  
Neil Coplin!

```
#!/bin/sh
# Shell script version of backup
# Written by Ho-Sheng Hsiao, 2000
# Apr 20

AWK="/usr/bin/awk"
FILE=$1

# First, use AWK to figure out which
# lines are backups
LINES=`$AWK '{ i++; if (p6 == $6 &&
$7 != "---" && p7 == $7 && p8
== "A" &&
$8 == "A") print i; p6 = $6; p7 =
$7; p8 = $8 ; }' $FILE`

# Generate sed script to modify the
# backup
for i in $LINES; do
    j=`expr $i - 1`
    CMD="$${CMD}${j}s/ A / B /; "
done

# Apply the sed script
sed -e "$CMD" < $FILE
```

The original C program worked on the “current” and “previous” lines. I could not figure out how to get awk to go backwards up a line, otherwise I would have written it completely in awk. This version does the processing in two passes. It uses awk to mark which lines has a backup and dumps it into the variable LINES. Then, it takes that list, and turns it into a series of sed routines. I did this to avoid writing a temporary file. Then, that script was applied to the file, and the result gets dumped into standard out.

This program works except on two cases. If there is the character sequence “A “in the first five column, that gets replaced with “B }” and not the actual marker on the 8th column. Also, if there are more than two consecutive backups, then this program will do a few weird things. (Prospective awk and sed scholars, see if you can find it).

Obviously, this script is not completely reliable. It does demonstrate that you can quickly (2 hours) prototype a text processing program with a shell script.

## Should the name of the web page be changed?

Aaron M. Croyle

croyle.6@osu.edu

There are good points made by all. There is no particular reason for Venture Crew 369 to be represented by www.corder.org. But yes Mr. Corder does do a lot financially and otherwise for the Crew. If we feel that a descriptive URL is that important i would suggest that we get a hold of crew369.columbus.oh.us.

I think we can all agree that the crew is really defined by whoever the active members are, and beyond that the leadership. I believe that the Crew could not be the successful group it is without both the youth leadership, and the direction given by Mr. Corder and the other adult leaders.

<http://post369.columbus.oh.us>

## A Rose is a Rose

Ho-Sheng Hsiao [hhh@lost-realities.org](mailto:hhh@lost-realities.org)

We, the members of Crew 369 do NOT rally around <http://post369.columbus.oh.us>.

Our Venturing Crew flag stands in the church, along with the American Flag.

What keeps us together transcend some mere sequencing of alpha-numeric symbols pointing to a region of cyber-ether. Changing the URL is not the same as defacing either of the two flags.

lost-realities.vpn does not exist anywhere in the world except in the basement of my parents’ home. DNS entries could be changed that easily, and just as meaninglessly.

Hypothetically speaking, if we were to use corder.org, we wouldn’t send the new members to [post369.columbus.oh.us](http://post369.columbus.oh.us). Believe me, given the chance to type a shorter URL, most people will take it. Unless of course, they have it bookmarked.

There’s nothing wrong in particular with one URL or the other. Why? Some people have a hard time even remember as something as “<http://www.ibm.com>” --

but then, they aren’t the people we are looking for, either.

Ok, some might raise the point that “<http://www.corder.org>” does not give an accurate representation of Venturing Crew 369. I direct your attention to our current, “official” URL -- <http://post369.columbus.oh.us> and not, a much more “accurate” URL, such as:

<http://crew369.columbus.oh.us>

How accurate the URL is not the central issue. If it were, we would choose [crew369.columbus.oh.us](http://crew369.columbus.oh.us). Or even better: <http://www.fcla.org>. But that was taken.

If we were serious about picking a good URL -- that is, if you are willing to put forth the energy to take a moral stand on what URL we use on our flyers, try thinking up of a better URL. Then register it. Take action, instead of upholding a status quo without examining alternatives.

