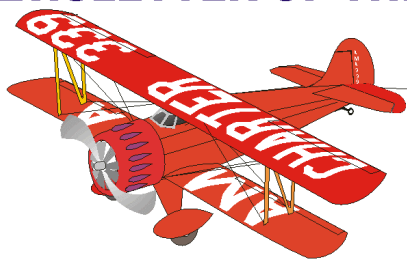


NEWSLETTER OF THE CHARLES RIVER RADIO CONTROLLERS, INC



CRRRC FLIGHT-LOG

<http://www.charlesriverrrc.org/>

AMA CHARTER 339

DECEMBER 2006

VOLUME 43 NUMBER 12

2006 CRRRC OFFICERS

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508-481-5597

webmaster@charlesriverrrc.org

GENERAL MEETING

Wednesday
December 20th
7:30 PM

Club Meetings are at Verizon Labs in Waltham. Bring a show and tell, bring a friend or just come alone.

GUEST SPEAKER

Our December meeting topic will be winter projects. Our own club experts will demonstrate the latest state of the art building methods.

Topics of this meeting include carbon fiber spar building, Monocote covering methods, vacuum bagging as well as other interesting building techniques.

RAFFLE

First Prize

"Hydro Plane 3D" Land,
Sea, Air Vehicle



Second Prize

Your choice of
Pitts 80 "Macho-Serie"



or a
Carl Goldberg Gentle Lady Kit



WON
a
COOL TOOL
for
Show-n-Tell

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President's Letter



It's hard to believe that this is already my last president's letter. This has been another successful and exciting year for our club. We sponsored many fun events starting with the Frozen Finger Fun Fly and the Collings Foundation Open House. During the summer we held our popular glider contests and that was followed by the Electric Fun Fly and the Auction. Thank you to all the volunteers who made these events possible.

I also want to thank those people who filled the elective offices; Tomer Jackman for getting the newsletter in the mail on time and Lee Arnold for recording all that went on at the meetings. Thanks to Andrew Johnson who did a great job making sure that we always had popular prizes for our raffle, Jon Leehey for keeping our finances straight and up to date and Tony Davids who brought in very interesting speakers.

I especially want to thank John Neilson for all his work as membership secretary. His work goes well beyond registering new members. He deals with much of the paper work with the AMA, he puts together the CRRC Handbook and he has found time to nudge members that are late renewing. In addition, John put together a survey that he forwarded to non-renewing members. This is a valuable tool in allowing us to get a better understanding of why members drop out.

There are two other people I would like to single out, David Spielman and Brian Rickman. David has kept the newsletter on time and on track. It is attractive and a pleasure to read. It reminds me more of a professional newsletter than something published by a club. Brian has taken over as Webmaster and as such has kept the web site up to date and accurate. Whenever we changed a date or requested a change, it was made immediately.

I have enjoyed the past year and look forward to serving as the raffle chairman. I am open to any ideas about items that anyone would like to see raffled off. Don't forget that I am a "power guy" which means the gallon of fuel is back as a choice for second prize. Get the old battle cry "take the fuel!" ready for the January meeting. Seriously, if anyone sees a good deal on an item of interest, please be sure to email me.

I look forward to another year of flying starting with the Frozen Finger Fun Fly. See you all there.

-JP



**Tom Bauer
shows off his
2006 winter
project.**

**START YOUR 2007
MEMBERSHIP
TODAY!**

Sign up now and save \$5. Rates increase on March 1, 2007. Use PayPal or check when starting or renewing your membership.



Treasurers Report

TREASURER'S REPORT

Report Date 12/10/06

Starting Balance 11/01/06	
Checking	\$2,905.47
Savings	\$2,294.58
Cash Box	\$25.00
PayPal Acct	\$0.00
CD Accounts	\$4,717.95
Total Starting	\$9,943.00
Income	
Auction food income	\$160.00
Dues	\$220.00
Transfer from PayPal account	\$0.00
Interest - Savings	\$0.82
Interest - CDs	\$13.49
Total Income	\$394.31
Expenses	
Newsletter expenses, check #1514	\$11.61
Goodnow Library - BOD meeting room for 2007	\$180.00
Auction food	\$84.90
Savings account fee	\$5.00
Total Expenses	\$281.51
Transfer - Savings to Checking	\$0.00
Ending Balances	
Checking	\$3,008.96
Savings	\$2,290.40
Cash Box	\$25.00
PayPal Acct (as of 12/02/06)	\$135.71
CD Accounts	\$4,731.44
Grand Total Ending 11/30/06	\$10,191.51

*-Jon Leehey
CRRC Treasurer*

UPCOMING EVENTS

Saturday, December 16th and January 20th - Indoor Flying

We will be flying at the Attleborough YMCA. The facility is a double basketball court with high ceilings. The basketball hoops will be raised up while we are using the facility. This is a great place to fly Micro helicopters, Small 3D planes, and Slow Flyers.

We have the court reserved for the third Saturday of each month from November through April, from 7:30 AM to 10:30 AM. Yes, I know that's early, but I think it's better than the late night schedule we had at Teamworks. The cost will be \$10 per pilot, and we will be required to show our AMA cards at the door.

The address is:
Attleborough YMCA
63 N. Main St., Attleboro, MA

Monday, January 1st 2007 - FFFF

Time to go shopping for a warm pair of gloves because the annual Frozen Finger Fun Fly is coming up soon. Location is the Bill Martin field in Medfield. Refreshments will be served.

This is an electric and powered event. If we have snow on the field, it will be plowed in preparation for our event. The event is from 9:00 to 2:00 or as long as you can stand the cold.

CD Ken Antonellis will be hosting the event.

Election Results 2007

After a heated knock down drag out fight, plenty of mud slinging and the inevitable surrender, the new officers were voted in.



The new officers are:
Tony Davids – President
Stephen Young – Vice President
John Nilsson – Membership Secretary
Lee Arnold – Recording Secretary
Jon Leehey – Treasurer
David Spielman – Newsletter Editor
Jean-Pierre Piu - Ex-Officio and Raffle chairman
Brian Rickman - Webmaster



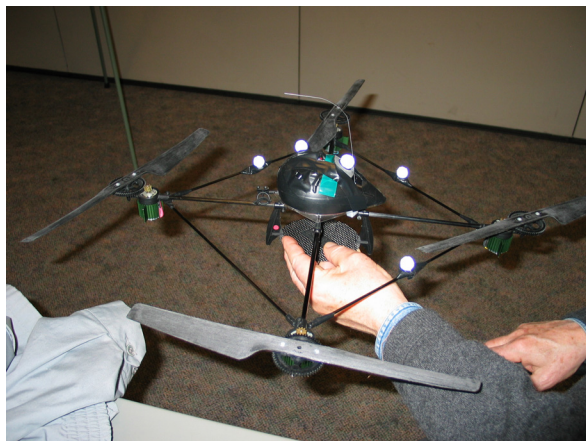
Secretary's Report: General Meeting November 15, 2006

The meeting was called to order at 7:45 PM by Vice-President, Tony Davids. In order to accommodate the time constraints of our guest speaker, we reversed the normal order of things. The guest speaker presented first, and then the business meeting was held. We then did not hold the raffle (but we will make up for it with a special raffle at the December meeting). Then we had Show and Tell.

Guest Speaker

Our Speaker this evening was Brett Bethke, PhD candidate, Aero-Astro at MIT. The project is also supported by Boeing Phantom Works. The project involves quad rotor aircraft flying multi-vehicle missions. Ultimately, the project will involve flights over extended periods of time of between 10 and 100 vehicles. Potential uses include both civilian and military missions. The vehicles could be used to monitor: traffic, forest fires, military operations and vehicle tracking.

For ease of implementation a commercial, quad rotor model was selected. One initial problem was how to track/ orient multiple craft. Reflective balls were attached to the craft in a unique pattern for each craft. A series of cameras are situated around the flight area to monitor the orientation and movement of the craft.



We were shown a video of multiple craft flying in a well-defined pattern. Another video showed ground based vehicles with reflective balls in place being tracked by airborne vehicles. They were able to track the vehicles alone or by sharing surveillance duties based on specific air space. Of course the control of the rotor vehicles and tracking takes significant computational power. It was a very impressive presentation.

Business Meeting

The business was opened and the Secretary's & Treasurer's reports were approved as written and published in the newsletter.

Field Reports

Davis Field is great and the soccer goals should be departing the field soon. Medfield is in great shape. Recently several pilots on channels 54-55-56 noticed severe interference when flying on all three channels at the same time.

Membership Report

John Nilsson Reports that we have one new member for a total membership of 151. Dues will be increased by \$5.00 from \$40. to \$45. As usual, there will be a \$5. discount until May.

Old Business

Ken Antonellis reported that the auction was well attended despite the change in venue. The site seemed larger, although more and larger items seemed to fill the available tables. The 10% sellers premium brought in approximately \$575. The additional raffle and admission fees brought the total nearer to \$750.

New Business

Fritz moved to accept the slate of officers. Since there were no additional volunteers, the slate was accepted as presented. Tony Davids was elected President and Steve Young is our new Vice President. David Spielman has volunteered to continue as Newsletter Editor. Brian Rickman will be our Webmaster. John Nilsson and Jon Leehey will continue as Membership Chairman and Treasurer, respectively. Lee Arnold will

continue as Recording Secretary. Current President Jean-Pierre Riu will reign as official Raffle Chairman.

After the election a motion was made to reserve the Sudbury Goodnow library for next years Board of Director meetings.

Membership costs will be going up. Join now to avoid the May increase.

New Pilots

None

Meeting Guests

Steve Billington of Marlboro is interested in electric flight.

Harush who attends Babson College and found CRRC on line is interested in fuel-powered flight.

Raffle Winners

Unfortunately, the raffle materials were absent the meeting, but we will have a super make up Raffle in December!



Show & Tell

The first Show and tell was Jeremy Harkin with an old OS .46 engine. He was looking for a fast and cheap ARF to fly for fun and thrills. He came up with a Viper 500 ARF. With just a small amount of work including new covering, bladder tank carbon fiber tow, landing gear and hardware, the plane came in just over 4lbs.



Tony Davids (our new Pres.) showed his new Multiplex TwinStar II. This twin electric powered aircraft was well engineered. The plane was trimmed in custom made Coast Guard colors and decals. The twin speed 400 motors turn 9"x5" props.



He also showed an Astro Flight Blinkey Balancer for charging LiPo batteries.



Ross Kelly brought in his RTF ornithopter. This seemed like a well built flapping wing aircraft. The price is approximately \$140 plus shipping, from Rochester, NY. Available on the web. Ross was also the winner of the "Cool Tool". A cold heat, battery powered, resistance soldering tool. Should be very useful at the field. The meeting was adjourned.

-Lee Arnold



CRRRC 2007



BOD Meeting, November 21, 2006

The topic of this months BOD meeting was to kick off planning for 2007. Attending were Dave Walter, Dick Williamson, Jon Leehey, Brian Rickman, John Nilsson and David Spielman. At the meeting we covered potential winter meetings, which included Building Night, Simulator Night, Winter Projects night, Andy Agerio's report, and a MIT presentation on solar powered airplane project.

Building night would be a good possibility for December to get everyone charged up for their own projects. Jon Leehey would like to see some advanced building methods like the wing spar building or how to straighten and round out aluminum tube after you bend a spar in a hard landing. Winter projects night is a good meeting for March. Everyone was excited about the possibility to see the solar powered airplane project. Dick felt that they might not be prepared to talk about this until they have a chance to set a record. The sun is a bit low in the sky for a record setting flight at this time of year. I hear that the plane is a Drela design with thin panels formed to an airfoil shape. Dave Walter and I were speculating that it was either a solar powered Apogee or Bubble Dancer.

If we bring in Andy Agerio we wanted him to report on district 1 events, government, and the inner workings of the AMA. We haven't heard too much about these in a while.

Dick Williamson presented the schedule of 2007 meetings. Jon Leehey wrote out the check to the Sudbury library and collected dues from John Nilsson.

John Nilsson passed out the 2007 membership cards. Fritz did a fine job on these. They look super. We went over a summary of the 2005 membership survey. Of the 14 people who responded, only one thought we were not friendly enough to new members. 4 will rejoin for 2007.

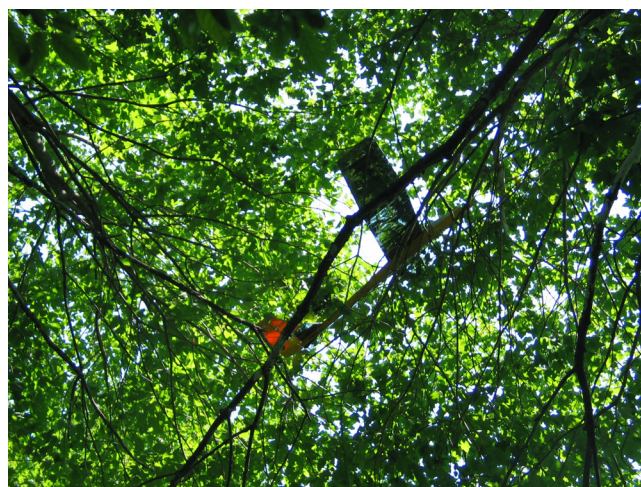
10 people had been affected by the time crunch. That seems to be hitting us all lately.

Changing of the guard. The new BOD members should come to the December BOD meeting, which is the day before the full club meeting. This mostly affects Stephen Young.

CRRRC 2007 Meeting Schedule

	General Meeting	Board Meeting
Month	Day	Day
January	17	23
February	21	27
March	21	27
April	18	24
May	16	22
June	20	26
July	18	24
August	15	21
September	19	25
October	17	23
November	14	20
December	19	18

-David Spielman



A Scepter hides in a tree hoping its owner can't find it. Thanks to a Hansen Hobbies lost plane finder, this plane was found.

The Lazy Loopers and CRRC present:



**Winter 2006 -
2007
Indoor Electric
Fun Flys**



Attleboro YMCA
63 N. Main St.
Attleboro, MA

**7:30 AM - 10:30 AM
On the 3rd Saturday of each month
November - April
12/16, 1/20, 2/17, 3/17 and 4/21**

\$10 registration fee for pilots
AMA membership card required to fly

R/C electric planes & helis welcome!

Make sure you show up on time as we only have the gym until 10:30!

Because it is a gym with wood floors a TRex or Shogun with WOOD blades are the largest helis that will be allowed to fly. Hornets, Blades, Microns, Maxir, Hummingbirds, Pics, etc welcome with or without wood blades as well. Any electric powered plane that can safely be flown in a double basketball court gym is also welcome.

For more details:

Email: shoo_shoo_mo@yahoo.com

Call: 617-548-1364

Or visit our website at: charlesriverrc.org/indoor/

Frozen Finger Fun Fly



January 1st 2007

Join us for a fun start to the New Year. Bring an electric or fuel powered plane. Skis for your plane are always popular.

Location: Bill Martin Field, Medfield, MA

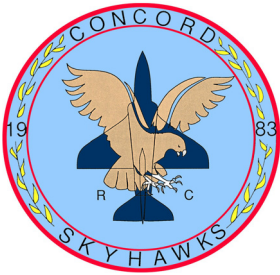
Hot refreshments will be served.

Time: 10:00 to 2:00

CD: Ken Antonellis



6th Annual Central NH Radio Control Auction



Sponsored Jointly by
**The Concord Skyhawks &
The Concord Aero Guidance Society**



Tons of great items for the hobby: planes, engines,
boats, cars, helicopters, electrics, radios and more!!!

**Free Admission
Raffles**

Saturday, January 20, 2007

Doors open 10:00 A.M.

Auction starts at 12:00 P.M. sharp

Location: Bow Community Center & Fire station
Bow, NH

**Food & Drink
available**

Everything will go – no reserves!!!!!!

Cash and credit cards accepted.

Buyer pays 10% premium

to Club so seller gets 100% of bid (if bid is lower than
sellers desired price the seller may bid and pay 5% to club).

\$25 and under flea market

Directions: I-93 north or South to I-89. I-89 north or south
to Exit 1. Turn right at stop sign. Go approximately 1 mile.

Bow Community Center / Fire station is on the left.

**For more info contact Dick Smith: 603
224-2078 soozies@comcast.net**

**Dan Weed: 603-228-3188
weedfamily@comcast.net**

CRRC BUILDING AND FLIGHT INSTRUCTORS

This is our list of qualified and willing instructors. Power planes are flown only at the Bill Martin Flying Field in Medfield. Sailplanes and Electrics can be flown at the Davis Farm Field on Rte. 117 in Sudbury. See <http://www.charlesriverrc.org> for directions to the flying fields. If you have any questions about the construction of your airplane, or want to have an experienced pilot pre-flight check your airplane before heading to the flying field, then call any of the building instructors.

INSTRUCTOR CONTACTS

Chief Instructor and Safety Officer: Jeremy Harkin
jeremy.harkin@gmail.com
 (781-894-6683)

POWER:

Jeremy Harkin	Waltham	781-894-6683
Bob Scott	Norwell	781-982-0268
Pete Young	Watertown	617 923-4184
Jon Leehey	Wayland	508 358 5721
Ruane Crummett	Wayland	508-655-2234

ELECTRICS:

Bruce Schneider	Hudson	978-562-9900
Fritz Bien	Concord	978-369-1720
Derrick Veliz	Acton	978-266-1739
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332
Dick Williamson	Sudbury	978 443-8549
Tom Bauer	Wellesley	781-235-7344

SOARING:

Dick Williamson	Sudbury	978 443-8549
Dave Walter	Hudson	978-562-5400
Bruce Schneider	Hudson	978-562-9900
Fritz Bien	Concord	978-369-1720
John Nilsson	Clinton	508-368-7136
Pete Young	Watertown	617 923-4184
Lincoln Ross	Waltham	781-891-0332
Ken Antonellis	Natick	508-653-8369
Tom Bauer	Wellesley	781-235-7344

HELICOPTERS:

Tony Davids	Stow	978-568-9598
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BUILDING:

Fritz Bien	Concord	978-369-1720
Joel Foner	Natick	508-653-3560
John Weigel	Natick	508-653-3560
Pete Young	Watertown	617 923-4184
Derrick Veliz	Acton	978-266-1739
Dick Williamson	Sudbury	978-443-8549
Tom Bauer	Wellesley	781-235-7344

TREE CLIMBERS & MEMBERSHIP STATISTICS

TREE CLIMBERS

Tony Morais

A1 Tree Services-Framingham, MA
 508-626-0088 800-657-7788

Kenny Greeno

Office Phone: 617-661-8591
 Cell Phone: 617-201-5300

Paul Harrington

(508) 376-2573 [Medfield Area]

Scott

774-286-1190 [Marlborough]

KEY INSTRUCTIONS

2006 season keys are available! To get a Key for Bill Martin Field in Medfield, email Jean-Pierre Riu or Ken Antonellis. They will send out instructions as soon as they hear from you. Ken Antonellis is the keymaster. Try kxa@verizon.net.

Alex of Alex's RC in Belmont also has keys. Show him a club badge to get the key. A \$5 deposit is required the first time you receive a key.

MEMBERSHIP

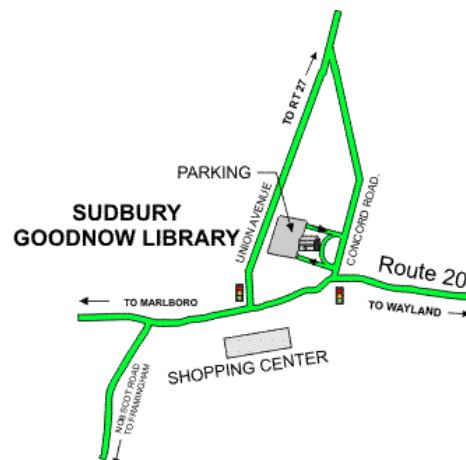
Here are the updated CRRC membership figures for 2006. The table summarizes the membership status from 1999 through current month, 2006.

Year	Renewals	New Members	Peak Totals
1999			135
2000	112	62	174
2001	124	50	174
2002	138	58	196
2003	156	40	196
2004	153	42	195
2005	144	20	164
2006	124	26	150
2007	34	3	37

-John Nilsson

DECEMBER DIRECTORS MEETING

The next directors meeting will be, Tuesday, December 19th at 7:30 PM, at the Sudbury Goodnow Library. All club members are invited to attend. This meeting is the day before the club meeting.





THE CHARLES RIVER RADIO CONTROLLERS, INC

2007 MEMBERSHIP APPLICATION

AMA Charter 339

THIS FORM EXPIRES ON MARCH 1ST 2007!

Name _____ AMA No. _____

Street _____ Birth Date (AMA req'd) _____

Town _____ State _____ Zip _____ Tel. () _____ - _____

E-mail _____

To receive membership card and field pass, bring this application to a club meeting, or mail to the membership secretary (address below). You can pay by check or use PayPal. (PayPal to membership@charlesriverrc.org)

Make Checks Payable to:
Charles River RC

SAVE \$5 - EARLY BIRD DUES RATES ARE LISTED

MEMBERSHIP CATAGORY	Rates until March 1, 2007	Rates After March 1, 2007
☐ OPEN Member	\$40.00	\$45.00
☐ JUNIOR member, (under 19 before 7-1)	\$1.00	\$1.00
☐ SENIOR member, (if age 60 before 7-1)	\$30.00	\$35.00
☐ SENIOR member, (if age 75 before 7-1)	Free if AMA member	Free if AMA member
☐ Full time STUDENT	\$25.00	\$25.00
☐ Family member additional to OPEN membership	\$25.00	\$25.00

John Nilsson /Secretary CRRC
511B Ridgefield Circle
Clinton, MA 01510
Telephone 978 368-7136
E-mail: photoguy205@comcast.net

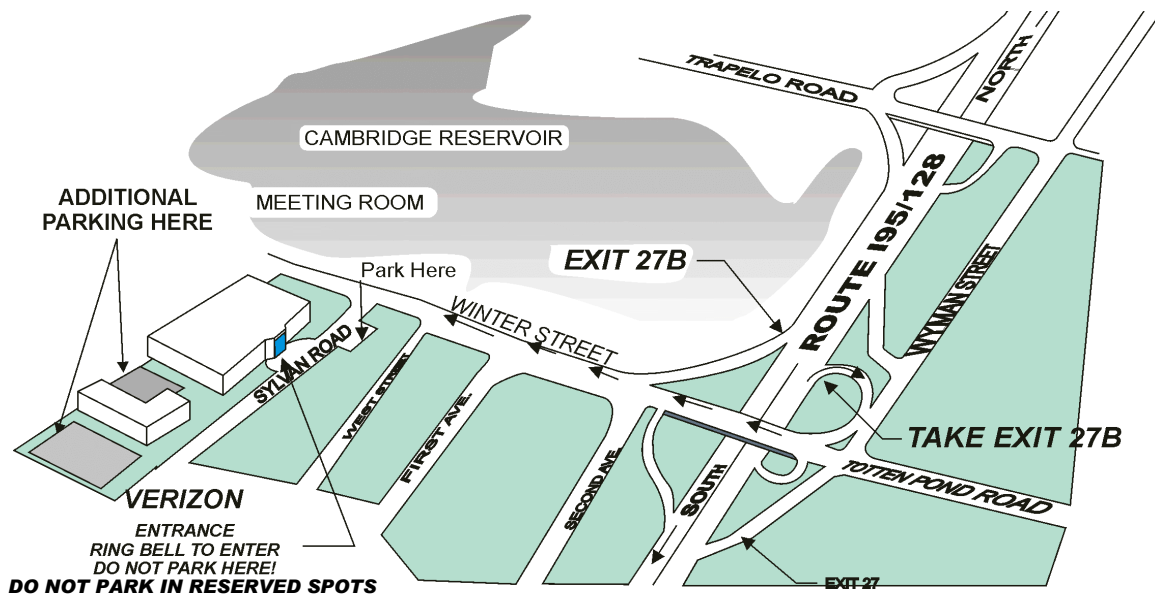
- ☐ I DO NOT want my address to appear
in the club phone book

You must be an AMA member in order to
receive your CRRC membership card.

To receive your newsletter by US mail, please contact John Nilsson, Membership Secretary at the next meeting. See the newsletter cover sheet for additional contact information.

Help reduce operating costs by receiving your newsletter on line. CRRC pays roughly \$10 per year for each mailed newsletter subscription.

DIRECTIONS TO CRRRC MONTHLY MEETING AT VERIZON LABS IN WALTHAM



The Charles River Radio Controllers meets the third Wednesday of each month. Guests are welcome. Check for the Newsletter meeting announcement on the second Wednesday of each month.

Dangerous Virus

There is a dangerous virus being passed electronically, verbally and by hand. This virus is called Worm-Overload-Recreational-Killer (WORK). If you receive WORK from any of your colleagues, you're boss or anyone else via any means DO NOT TOUCH IT. This virus will wipe out your private life completely. If you should come into contact with WORK put your jacket on and take two good friends to the nearest bar. Purchase the antidote known as Work-Isolator-Neutralizer-Extractor (WINE) or Bothersome-Employer-Eliminator-Rebooter (BEER). Take the antidote repeatedly until WORK has been completely eliminated from your system.



David Spielman / Editor