

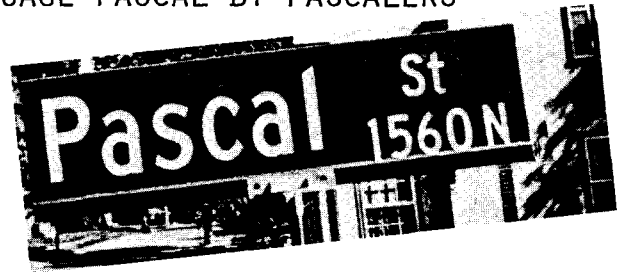
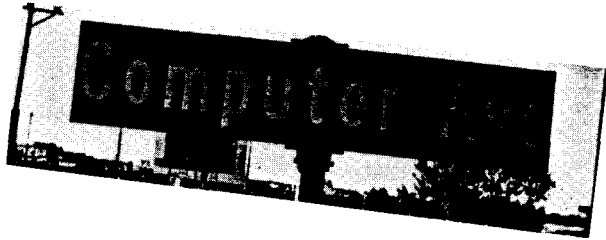
Pascal News

October, 1979

Number 16

SPECIAL ISSUE ON THE PASCAL VALIDATION SUITE

COMMUNICATIONS ABOUT THE PROGRAMMING LANGUAGE PASCAL BY PASCALERS



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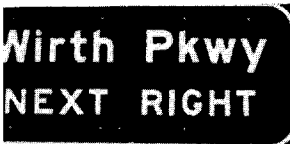
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EX LIBRIS: David T. Craig
736 Edgewater
[# _____] Wichita, Kansas 67230 (USA)

POLICY: PASCAL NEWS (79/09/01)

- * Pascal News is the official but informal publication of the User's Group.

Pascal News contains all we (the editors) know about Pascal; we use it as the vehicle to answer all inquiries because our physical energy and resources for answering individual requests are finite. As PUG grows, we unfortunately succumb to the reality of (1) having to insist that people who need to know "about Pascal" join PUG and read Pascal News - that is why we spend time to produce it! and (2) refusing to return phone calls or answer letters full of questions - we will pass the questions on to the readership of Pascal News. Please understand what the collective effect of individual inquiries has at the "concentrators" (our phones and mailboxes). We are trying honestly to say: "we cannot promise more than we can do."

- * An attempt is made to produce Pascal News 3 or 4 times during an academic year from July 1 to June 30; usually September, November, February, and May.
- * ALL THE NEWS THAT FITS, WE PRINT. Please send material (brevity is a virtue) for Pascal News single-spaced and camera-ready (use dark ribbon and 18.5 cm lines!).
- * Remember: ALL LETTERS TO US WILL BE PRINTED UNLESS THEY CONTAIN A REQUEST TO THE CONTRARY.
- * Pascal News is divided into flexible sections:

POLICY - tries to explain the way we do things (ALL-PURPOSE COUPON, etc.).

EDITOR'S CONTRIBUTION - passes along the opinion and point of view of the editor together with changes in the mechanics of PUG operation, etc.

HERE AND THERE WITH PASCAL - presents news from people, conference announcements and reports, new books and articles (including reviews), notices of Pascal in the news, history, membership rosters, etc.

APPLICATIONS - presents and documents source programs written in Pascal for various algorithms, and software tools for a Pascal environment; news of significant applications programs. Also critiques regarding program/algorithm certification, performance, standards conformance, style, output convenience, and general design.

ARTICLES - contains formal, submitted contributions (such as Pascal philosophy, use of Pascal as a teaching tool, use of Pascal at different computer installations, how to promote Pascal, etc.)

OPEN FORUM FOR MEMBERS - contains short, informal correspondence among members which is of interest to the readership of Pascal News.

IMPLEMENTATION NOTES - reports news of Pascal implementations: contacts for maintainers, implementors, distributors, and documentors of various implementations as well as where to send bug reports. Qualitative and quantitative descriptions and comparisons of various implementations are publicized. Sections contain information about Portable Pascals, Pascal Variants, Feature-Implementation Notes, and Machine-Dependent Implementations.

- * Volunteer editors are (addresses in the respective sections of Pascal News):

Andy Mickel - Outgoing editor; Rick Shaw - Incoming editor
John Eisenberg - Here and There editor
Rich Stevens - Books and Articles editor
Bob Dietrich and Gregg Marshall - Implementation Notes editors
Jim Miner and Tony Addyman - Standards editors
Andy Mickel and Rich Cichelli - Applications editors
Jenny Sinclair and Rick Marcus - Tasks editors

----- ALL-PURPOSE COUPON ----- (01-Dec-79)

Pascal User's Group, c/o Rick Shaw
Digital Equipment Corporation
5775 Peachtree Dunwoody Road
Atlanta, Georgia 30342 USA

****NOTE****

- Membership is for an academic year (ending June 30th).
- Membership fee and All Purpose Coupon is sent to your Regional Representative.
- SEE THE POLICY SECTION ON THE REVERSE SIDE FOR PRICES AND ALTERNATE ADDRESS if you are located in the European or Australasian Regions.
- Membership and Renewal are the same price.
- The U. S. Postal Service does not forward Pascal News.

[] 1 year ending June 30, 1980

[] Enter me as a new member for:

ENCLOSED PLEASE FIND:	\$
	A\$
	£ _____

NAME _____

ADDRESS _____

PHONE _____

COMPUTER _____

DATE _____

JOINING PASCAL USER'S GROUP?

- Membership is open to anyone: Particularly the Pascal user, teacher, maintainer, implementor, distributor, or just plain fan.
- Please enclose the proper prepayment (check payable to "Pascal User's Group"); we will not bill you.
- Please do not send us purchase orders; we cannot endure the paper work!
- When you join PUG any time within an academic year: July 1 to June 30, you will receive all issues of Pascal News for that year.
- We produce Pascal News as a means toward the end of promoting Pascal and communicating news of events surrounding Pascal to persons interested in Pascal. We are simply interested in the news ourselves and prefer to share it through Pascal News. We desire to minimize paperwork, because we have other work to do.

- American Region (North and South America): Send \$6.00 per year to the address on the reverse side. International telephone: 1-404-252-2600.
- European Region (Europe, North Africa, Western and Central Asia): Join through PUG (UK). Send £4.00 per year to: Pascal Users' Group, c/o Computer Studies Group, Mathematics Department, The University, Southampton SO9 5NH, United Kingdom. International telephone: 44-703-559122 x700.
- Australasian Region (Australia, East Asia - incl. Japan): Join through PUG(AUS). Send \$A8.00 per year to: Pascal Users' Group, c/o Arthur Sale, Department of Information Science, University of Tasmania, Box 252C GPO, Hobart, Tasmania 7001, Australia. International telephone: 61-02-23 0561.

PUG(USA) produces Pascal News and keeps all mailing addresses on a common list. Regional representatives collect memberships from their regions as a service, and they reprint and distribute Pascal News using a proof copy and mailing labels sent from PUG(USA). Persons in the Australasian and European Regions must join through their regional representatives. People in other places can join through PUG(USA).

RENEWING?

- Please renew early (before August) and please write us a line or two to tell us what you are doing with Pascal, and tell us what you think of PUG and Pascal News. Renewing for more than one year saves us time.

ORDERING BACK ISSUES OR EXTRA ISSUES?

- Our unusual policy of automatically sending all issues of Pascal News to anyone who joins within a academic year (July 1 to June 30) means that we eliminate many requests for backissues ahead of time, and we don't have to reprint important information in every issue--especially about Pascal implementations!
- Issues 1 .. 8 (January, 1974 - May 1977) are out of print.
(A few copies of issue 8 remain at PUG(UK) available for £2 each.)
- Issues 9 .. 12 (September, 1977 - June, 1978) are available from PUG(USA) all for \$10.00 and from PUG(AUS) all for \$A10.
- Issues 13 .. 16 are available from PUG(UK) all for £6; from PUG(AUS) all for \$A10; and from PUG(USA) all for \$10.00.
- Extra single copies of new issues (current academic year) are: \$3.00 each - PUG(USA); £2 each - PUG(UK); and \$A3 each - PUG(AUS).

SENDING MATERIAL FOR PUBLICATION?

- Your experiences with Pascal (teaching and otherwise), ideas, letters, opinions, notices, news, articles, conference announcements, reports, implementation information, applications, etc. are welcome. "All The News That's Fit, We Print." Please send material single-spaced and in camera-ready (use a dark ribbon and lines 18.5 cm wide) form.
- Remember: All letters to us will be printed unless they contain a request to the contrary.



UNIVERSITY OF MINNESOTA
TWIN CITIES

University Computer Center
227 Experimental Engineering Building
Minneapolis, Minnesota 55455

Special Issue

This special issue on the Pascal Validation Suite was prepared primarily by Jenny Mizieliński (now Jenny Sinclair) and Arthur Sale of the Department of Information Science at the University of Tasmania. We owe special thanks to Jenny because she does most of the work for PUG Australasia, and she should have been listed as a "tasks editor" long before now--in fact as far back as 1977!

The Validation Suite represents a valuable weapon in Pascal's arsenal because it provides a common measuring instrument for standards conformance. As has been said before, Pascal now joins a small and elite group of programming languages which has such a collection of test programs.

Note that the Validation Suite is copyright, but that it can be obtained very easily and inexpensively from three (3!) worldwide distributors! ANY user of ANY Pascal compiler ANYWHERE should not pass up this opportunity!

Rick Shaw

Next issue (PN#17) will be Rick Shaw's first issue as editor and is now scheduled for December. (This issue is my last one as editor.) Please don't be alarmed that Rick works for DEC. He will keep PUG and DEC strictly separated. (Besides he is just as funny and crazy a person as I am!) As I said in my editorial in PN #15, Rick is a capable administrator (whereas I am not good at delegating responsibility), and he has the luck of being in a nice work environment at DEC's Atlanta Regional Office with ready access to clerical facilities, etc. We were able to recruit section editors (listed on the inside front cover) to whom Rick can now distribute the work of Pascal News. Decentralization is mandatory if Rick is to survive my fate. Good luck, Rick!

About a year and a half ago it would have been hard for me to say goodbye to Pascal News. Now it is really easy! I'm really weary and "burned-out" having worked hard all year--even after having said in issue #13 that I was tired of doing the job. Also I'm comforted that as of about a year ago, it became undeniably obvious that together all of us Pascalers permanently established Pascal as a major programming language--not just "another" language. All progress since then has been and will be pleasant dividends.

Rick's volunteering to be editor for 2 years comes just in the nick of time: a reluctant editor such as myself doesn't contribute to the quality of Pascal News. Rick will provide fresh ideas whereas I'm running out of ideas.

I feel relieved to be rid of the day-to-day responsibility for Pascal News and PUG. (However I intend to help Rick every way I can.) I do admit that working on all phases of PUG and Pascal News has made me a better person. I had the privilege to experience the processes of organizing, accounting, budgeting, editing, filing, printing, archiving, implementing ideas, pasting-up, publishing, planning, mailing, banking, maintaining mailing lists, juggling details, coordinating events, reading faster and writing better, and talking and working and negotiating and learning with other people!

Thanks

It's the honest truth: we've received hundreds of encouraging and favorable comments about Pascal News. It was truly gratifying to receive nice words this year when our hopes were dim and spirits were down. But then it is only appropriate to thank everyone who contributed material and ideas to Pascal News (by sending them in) and made the whole effort possible. Regular contributors were especially valuable. (As an example there is no reader of Pascal News who doesn't know Arthur Sale. He is a Pascal "folk-hero"

because his prolific efforts are accompanied with an unforgettable signature and the end-of-the-earth Tasmanian letterhead.) I've been much less an editor than a collector and organizer of information, and I would like to say "Thanks!" and encourage all of you to keep sending in information no matter how small. Unfortunately, I'm sure we still only know less than half of the news concerning the use of Pascal!

We (especially myself) are indebted to the people whose names are listed below. They volunteered their time, energy, and enthusiasm over the last 4 years directly producing and distributing Pascal News (listed chronologically):

John Strait 1976	Herb Rubenstein 1977
Christi Mickel 1976, 1977, 1978	Arthur Sale 1977, 1978, 1979 (Aus.)
Tim Bonham 1976, 1977, 1978	Jenny Sinclair 1977, 1978, 1979 (Aus.)
Judy Mullins Bishop 1976, 1977 (U.K.)	Rich Cichelli 1978, 1979
Tony Gerber 1976, 1977 (Aus.)	Scott Bertilson 1978, 1979
Carroll Morgan 1976, 1977 (Aus.)	Steve Reisman 1978
Sara Graffunder 1977, 1978	Liz Karl 1978
Jim Miner 1977, 1978, 1979	Jerry Stearns 1978, 1979
John Easton 1977, 1978	Kay Holleman 1978
David Barron 1977, 1978, 1979 (U.K.)	Rick Shaw 1978, 1979
Rick Stevens 1977, 1978, 1979	Tim Hoffmann 1978
Tony Addyman 1977, 1978, 1979 (U.K.)	Rick Marcus 1979

How do we put together an issue of Pascal News?

Invariably the process begins by catching up (1) on the mail. This means opening an accumulation of what used to be 2-4 weeks worth in the early days of PUG to 2-22 weeks worth recently (I'm talking about trays of mail 1 or 2 meters long!). The mail must be separated (2) into new subscriptions, renewals, inquiries for information, changes of address, incorrect payments (returned), purchase orders without prepayment (returned), miscellaneous queries, and material for publication in Pascal News. (To keep our files uniform and organized we manually fill out an All-Purpose Coupon for new subscriptions and renewals; for requests for old backissues, we manually write out an address label.)

The money must be deposited (3) and accounted for (4). New members and renewers must be keyed into the data base (5) and then checked for errors (6). Back issues are mailed (7). The roster increment is run off (8), and the All-Purpose Coupons with tidbit comments are photocopied (9) for the Here and There editor.

The material for Pascal News is gathered together in a pile (10) and then sorted (11) into regular categories (Here & There, Open Forum, etc.). The Implementation Notes section is preprocessed (12) (outlined) and given to the Implementation Notes editors. The Books and Articles section is treated in the same way.

The Articles section is planned and received-dates added (13). The Open Forum section is planned (14). At this point all parts of the issue are attacked (15) at the same time including the subsections of Here & There not mentioned and the Applications section. The cloud which hangs over the process is writing the editorial (16) which delays actual page layout and pasteup of the rest of the issue.

When the camera-ready copy of the editorial and everything else is ready (or nearly so), paste-up with rubber cement on large computer-listing paper begins (18). Each sheet of large paper was previously titled and page-numbered (17) in a typewriter. The completed original is photocopied (19) to produce the 2 copies for PUG(UK) and PUG(AUS) to print from. It is then sent (20) to the printer together with a print order.

Unfortunately, these events don't always occur in this order, thus creating synchronization problems. Needless to say we are always alert for news about Pascal in other journals and from people who call on the phone.

Editor's Contribution

