
Minutes of X3J14 Meeting #12

*ANS Forth Technical Committee
May 22-26, 1990, Melbourne, Florida,
Doc. no: X3J14/90-006*

Call to Order

Larry Forsley was acting chair and Jim Rash was acting secretary until Ms. Rather and Mr. Tracy arrived at the meeting.

Mr. Braithwaite has resigned because he has accepted a position in Zimbabwe. Mr. Ribble, Mr. Woehr, and Mr. Zettel are now voting members. Mr. Ruffer was present as the Forth, Inc. alternate.

Mr. Egbert is now employed by the same company as Mr. Betts, and is therefore ineligible to vote in the TC.

Minutes of the last meeting were approved unanimously. Meeting agenda approved unanimously. The attendance list is document 90-007.

Thanks were expressed to Harris Semiconductor Corp. for their excellent meeting site and to Mr. Hand for his committed support.

Mr. Colburn was concerned that we develop a metric to say when we are finished. He requested clarification of the term "producer's organization."

Action Item Review

1. Not all implementors have implemented locals. Mr. Tracy and Mr. Hayes have done so.
2. Mr. Rash is the acting secretary.
3. Mr. Braithwaite has submitted a technical proposal.
4. The Fall meeting will be November 7-10 in Detroit. Mr. Zettel has offered to host.
5. Status unknown. Mr. Forsley has completed the Forth-79 appendix.
6. Postponed.

Logistics Committee Report

The next meeting is in Vancouver on August 21-25, 1990. Mr. Brown is the host. An information packet has been sent out. The hotel is 2 blocks from the meeting room and costs \$70 Canadian. Bed and breakfasts can be found for (\$30-40). Mr. Brown recommends that you make travel arrangements early because it is tourist season in Vancouver.

Mr. Zettel offered to host the Fall meeting in Detroit. A motion to this effect was passed unanimously. Subsequently, Mr. Nemeth objected and asked to move the November meeting back to the Washington, DC area. The host would be Mr. Rash or Mr. Nemeth. This motion passed 16/2.

Documentation Committee Report

A motion to approve BASIS 11 passed unanimously. Mr. Colburn will head this committee and will delegate functions as needed to other members of the technical committee. Mr. Zettel will be document editor.

Mr. Colburn moved to reaffirm our statement of work by publishing it at the start of BASIS. This motion passed 16/1.

Mr. Forsley will ask the Institute for Applied Forth Research for permission to divert any monies received from the Forth Standards Team to the purchase or rental of IBM equipment for use by the documentation committee.

Technical Committee Report

The Technical Committee announced its intention to empty the burning issues list of all technical issues at this meeting. 80 proposals were available to be acted upon at the start of the meeting.

International Committee Report

Mr. Shaw will not be able to accept the position as International Representative. Ms. Rather asked for a volunteer and read the job description.

Other Business

Mr. Tracy resolved that we take accepted practice more into account. This resolution was passed 10/6.

There was a great deal of discussion about our charter. Some felt that our statement of work was imprecise and contradictory. Ms. Rather commented that CBEMA says we can make reasonable changes in our scope of work by submitting the changes and the projected impact on our schedule for their approval.

Mr. Koopman, Senior Scientist at Harris Semiconductors, spoke to the committee about his joint proposal with Mr. Hand (TP-729). He would like to eliminate the requirement for a separate floating-point stack. It is expensive to build such a stack into a Forth engine. There was much discussion about this. A recommendation was sent to the technical subcommittee to make TP-729 work.

Mr. Bailey resolved that we publish our schedule of remaining meetings as a press release to SIGForth, purchasers of BASIS, CBEMA, Vendors list, the Press, BBS's, Forth- Standards Team members, Conference Chairs of Rochester and Asilomar, and others. We would also send free copies of BASIS 12 to the 30 or so vendors with over 200 customers. A MS Word version would be posted on electronic bulletin boards for distribution.

Mr. Colburn noted that both Creative Solutions and GENIE stand to make a small profit on this. The resolution passed 12/2.

Mr. Woehr moved that we send a letter of thanks to Harris for its outstanding facilities, and that we mention its helpful representatives by name. The motion passed.

Mr. Forsley announced that the Institute for Applied Forth Research would be willing to pay Charles Moore's outstanding bill out of funds received from the Forth Standards Team.

Ms. Rather pointed out that we need volunteers for appendices F & G, and for the Guidelines for implementors. Mr. Bailey volunteered to develop an outline for this chapter, with help from Mr. Tracy.

There was much discussion about whether to handle document distribution through X3. It was decided that it is more effective and timely to continue distribution through FORTH, Inc. Mr. Colburn and Mr. Forsley moved that we identify the person who has helped the most with this session and that we buy them dinner. The motion passed, and Mr. Rible and Mr. Hayes were taken to dinner.

Tentative Final Schedule

1. Technical work done 5/90
2. Correction, doc. restructure 8/90, 11/90
3. Final pats, 2/91
4. Vote dpANS, 3-4/91 (mail ballot)
5. dpANS to X3 5/91

6. Publ dpANS 11/91 - 4 mos. review.

7. Respond to review 3/92.

Mr. Colburn pointed out that these meetings are very expensive. He suggested that by hiring a technical writer to work on BASIS between meetings, we might reduce our schedule by one meeting (11/90 or 2/91). Mr. Tracy offered to be the technical writer for one week (40 hours) at his lowest professional rate (\$40 per hour) for the initial assignment of producing BASIS 12. This cost will be paid by the Forth Vendors Group and divided among the committee members. A motion to this effect was passed. Mr. Zettel and Mr. Stevenson will review BASIS when it is complete.

The chair accepted with great regret the resignation of Mr. Nemeth. She thanked him on behalf of the committee for his outstanding work.

Action on Technical Proposals

TP#	Name	Status	Action
TP-193	Clean Up Separation of Dictionary and Data	failed 0/17	
TP-210	Globals and Locals	withdrawn	
TP-266	STRING	withdrawn	
TP-306	SNAP Table of Contents	failed 0/13	
TP-315A	2 /	passed 17/0	
TP-321A	D2 /	passed 17/0	
TP-368	Interpreting String Literals	withdrawn	
TP-373A	Number Definition	passed 16/0	
TP-387	Compiling From Text Files	failed 0/13	LF letter
TP-388	FP number Output Conversion	failed 0/17	JB letter
TP-389	FP number Output Conversion	failed 0/17	JB letter
TP-405	Division	failed 0/17	
TP-406	Multiplication and Division	failed 0/17	
TP-408A	Number Types	passed 16/0	
TP-415	CHAR Change the Name to ASCII	failed 0/13	MT letter
TP-425	Stream I/O	failed 0/13	JB letter
TP-450.1A	SHIFT	passed 17/0	JW letter
TP-451	Explicit Number Base	failed 0/13	
TP-459	String Definitions	failed 0/13	
TP-463	Address Token Definition	failed 0/17	
TP-469	Putting Things in Their Places	failed 0/13	
TP-471	Add some See Also's	post proposal	
TP-482	Receive Definition	post proposal	
TP-493A	Parsing With Non-Blank Characters	passed 17/0	
TP-499	Division is Not Portable	failed 0/17	
TP-501A	Make 2 / and D2 / Arithmetic	passed 17/0	
TP-516	Interpreting Control Structures	failed 0/13	
TP-517A	Interpret Quote	passed 15/2	
TP-522	BOUNDS	failed 0/13	
TP-545	Remove Data Memory	withdrawn	
TP-555A	Missing Definition of Number	passed 18/0	

TP-568	Son of Right to Compile	failed 0/17	
TP-569.3	CATCH and THROW	passed 16/2	
TP-581	Number Definition	withdrawn	
TP-582	Define Bit Definition	passed 16/0	
TP-584A	Signed Definition	passed 17/1	
TP-585A	Signed Definition	passed 18/0	
TP-588A	Dictionary Data Space	passed 17/0	
TP-601	New FP Literal Syntax	failed 0/13	GB letter
TP-605	LOADING From Text Files	failed 0/16	MB letter
TP-612A	Suffix to Distinguish Floored...	passed 17/0	LZ letter
TP-613	Provide Access to Underflow	failed 0/18	LZ letter
TP-614	Exception Stack with Toggling	failed 0/18	LZ letter
TP-615	Fixups for BASIS	post proposal	
TP-617	Simplify DOES >	withdrawn	
TP-623	Colon	withdrawn	
TP-628	Add SP !	failed 0/13	MT letter
TP-634	Parsepairs	failed 0/16	
TP-635	Cell Pair	withdrawn	
TP-639	Byte	withdrawn	
TP-640A	KEY and XKEY	passed 14/1	
TP-642	Interpret -- Multi-Line Comments	passed 17/1	
TP-643A	Interpret -- Delimiters	passed 16/1	
TP-644	Read-Ahead in Text Files	failed 0/16	
TP-645A	Drawing the Line	passed 18/0	
TP-650	Fix COUNT	passed 15/0	
TP-651	I Miss My Bits	withdrawn	
TP-653	Add @ and ! Into Stacks ...	failed 0/13	LF letter
TP-655A	DOUBLE Division Compromise Res	passed 17/0	
TP-656A	Fix Division	passed 17/0	
TP-660A	Minor Remarks on BASIS	passed 14/0	JB letter
TP-661	NOT Restored...	failed 0/13	
TP-662A	?TRIM	passed 17/0	MB letter
TP-664A	Floating-Point to Text String	passed 19/0	
TP-666	Hide Counted String Details	withdrawn	
TP-667A	Remove CONVERT	passed 14/3	
TP-669A	Miscellaneous	passed 17/0	
TP-671	Show Loop Return Stack Restrictions	passed 14/0	
TP-672	Remove Locals	withdrawn	
TP-677	Remove Locals from ANS Forth	mail ballot	
TP-679	Keep BASIS Gender Neutral	passed 15/0	JR letter
TP-681	Fix the Numbering of BASIS 11	passed 15/0	JR letter
TP-684	Delete Sexist Pronouns	passed 15/0	

TP-687	Revise Definition of Byte	failed 0/13
TP-689	Revise Definition of 4.0710	withdrawn
TP-691A	Revise Definition of 5.3.3, Return Stack	passed 13/2
TP-692	Delete @EXECUTE	post proposal
TP-693	Modify Definition of CONVERT	failed 0/13
TP-694A	Modify Definition of "join"	passed 15/0
TP-696	Correct Execution Semantics of ?do	passed 17/0
TP-697A	Correct Compilation Stack Diagram	passed 16/0
TP-700	Change Definition of #TIB	failed 0/13
TP-701	Delete BLOCK - FILE...	failed 0/13
TP-702	Modify Definition of CODE	failed 1/14
TP-711	Replace FAR - IN and FAR - OUT	failed 0/13
TP-712	Revise Definition of HOLD	passed 15/0
TP-713	Delete 7.1690 I '	withdrawn
TP-719A	Eliminate Bytes	passed 16/1
TP-720	MOSI	passed 17/0
TP-721A	Revised Parsnips	passed 13/3
TP-722A	Fix ups for BASIS 11	post proposal
TP-723	Alignment Fix Ups	passed 17/0
TP-724A	Improve Wording in Glossary	passed 15/0
TP-725	Fix CREATE	passed 16/1
TP-726	Foolish Consistency	passed 15/0
TP-727	Foolish Consistency (literals)	passed 15/0
TP-728A	(and . (are Broken	passed 17/0
TP-730	Addendum	passed 16/1
TP-730A	Environmental Interrogation	passed 17/2
TP-733	A Variable is Not its Contents	passed 16/0
TP-734A	Shift Arithmetic	passed 17/0
TP-735	Re-simplify DOES >	passed 16/0
TP-736A	Clarify RAM and ROM	passed 13/0
TP-746	Context-Free Hex Numerals	failed 0/13
TP-748	Don't Specify I for FOR	failed 0/13
TP-750	INVERT is a Mask Operator **	post proposal
TP-753A	Allow 1	passed 16/1

Burning Issues

Issue	Magnet(s)
Multiprogramming	JS AK* GS
Cleanup	All
Restructuring/Final form	AK All
FP stack	JB GB
Word Sets	JRi* MT* ER GB JS
Division	JH

Word Name Conflicts	DC* GB ER
Relocatability Rules	DC
Input stream	GS* MT
Orphans	LF*
Appendices	ER

Magnets with an asterisk (*) will generate proposals.

Action Items

1. All implementors will implement locals.
2. Mr. Ruffer will look for a volunteer to write the comparison to Forth-83.
3. In the TP-612 letter to Dr. Spialter, Mr. Zettel will mention that we are using his notation.
4. Mr. Rash will talk to Kate McMillan at CBEMA (202) 626-5742 about whether our current BASIS format is sufficient for a dpANS.
5. Mr. Tracy will contact Mr. Zettel and explain about the change in the production of BASIS.
6. Mr. Tracy will contact CBEMA to see what kind of copyright notice is necessary for BASIS distribution in electronic form.
7. Mr. Forsley will write the scheduled press release. Ms. Rather will send this release to the appropriate places.
8. The Forth Vendors Group will send Mr. Moore's bill to Mr. Forsley.
10. Mr. Ruffer will post BASIS 12 on GENIE when it is ready.
11. The chair will write Harris Semiconductors, thanking them for the use of their excellent facilities and for Mr. Hand's outstanding help.
12. Mr. Bailey will draft a proposal to resolve the locals issue, which the Chair will send out as a letter ballot.

Adjournment

There being no further business, the meeting was adjourned.