

Header file `pcadder.h`

```
/* FILE : PCADDER.H
```

```
Desc: Header file for the slow-adder routines
```

```
Date: 02/12/88
```

```
Vers: 1.00
```

```
Auth: ARF/JMH
```

```
*/
```

```
#define PRIMMAX 40 /* max. pulses to prime  
before returning error */  
#define PRIMOK 5 /* min. positive readings  
to confirm prime*/  
#define PRIMERR -1 /* error returned if can't  
prime*/  
#define PRIMD 1000 /* time between prime  
pulses (msec.) */
```

```
#define ADDOK 5 /* min. positive readings  
to confirm addn. end */  
#define ADDERR -2 /* error returned on  
addition timeout */  
#define FLUSHNO 5 /* number of pulses at end  
to empty tubing */  
#define FLUSHD 1000 /* time between flush  
pulses (msec.) */  
#define TIMEMULT 1.25 /* maximum addition  
time before returning  
error is calculated time  
* TIMEMULT */  
#define MINCALIB 0.001 /* Sets the minimum drop  
size at 1 µl/pulse */  
#define MAXPULSE 1 /* Sets the max pulse rate  
to 1 pulse/s */
```

Short courses

Loughborough University of Technology, UK, has announced the following short courses for 1989:

Fluorescence and Luminescence Spectrometry – 26–30 June 1989. Fee £480 including residence and all meals (£450 if paid with booking form). Non-residents £405 (£375).

Statistics for Analytical Chemistry – 11–14 July 1989. Fee £385 including residence and all meals (£355 if paid with booking form). Non-residents £325 (£295).

Flow Injection Analysis – 12–14 July 1989. Fee £325 including residence and all meals (£300 if paid with booking form). Non-residents £275 (£250).

For further details please contact: Mrs J. E. Stirling, Department of Chemistry, Loughborough University of Technology, Loughborough, Leics. LE11 3TU. Telephone: (0509) 222549.

HPLC Technology and Applied Chromatography Systems are holding five HPLC Beginners Training Courses during 1989. Each course will last three days and will include both practical and discussion sessions. The courses are held at The Deanwater Hotel, Woodford, Cheshire. All purchasers of HPLC Systems from ACS receive a complimentary place on the course.

For further information please contact: Applied Chromatography Systems, The Arsenal, Heapy Street, Macclesfield, Cheshire SK11 7JB. Telephone: (0625) 34575.

Chemserve have announced two courses for 1989:

Fluorine Spectroscopy Workshop – 10–11 April 1989.

Mass Spectrometry for Beginners – 17–18 April 1989.

For further information, please contact: Chemserve, UMIST, PO Box 88, Manchester M60 1QD. Telephone: 061 228 7700.

The University of Liverpool is holding a short course on Modern Spectroscopic Techniques, 2–7 April 1989.

For further information, please contact: Dr A. Hodgson, Dept. of Chemistry, University of Liverpool, PO Box 147, Liverpool L69 3BX.

Royal Society of Chemistry Residential School – 28–31 March 1989. Computer Methods in UV, vis and ir Spectroscopy, Polytechnic of Wales.

For further information, contact Ms L. Hart, RSC, 30 Russell Square, London WC1B 5DT. Telephone: 01-631-1355.
