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Corrected by P.Oliver 26/5/98

Your DBF description is iffy to say the least. I am enclosing a more accurate file layout. Note it include dBaseIII+, dBaseIV, FoxBase, FoxPro upto and including 2.6.

DBF FILE STRUCTURE

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| BYTES | DESCRIPTION                                                                                                                                                                          |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 00    | FoxBase+, FoxPro, dBaseIII+, dBaseIV, no memo - 0x03<br>FoxBase+, dBaseIII+ with memo - 0x83<br>FoxPro with memo - 0xF5<br>dBaseIV with memo - 0x8B<br>dBaseIV with SQL Table - 0x8E |
| 01-03 | Last update, format YYYYMMDD **correction: it is YYMMDD**                                                                                                                            |
| 04-07 | Number of records in file (32-bit number)                                                                                                                                            |
| 08-09 | Number of bytes in header (16-bit number)                                                                                                                                            |
| 10-11 | Number of bytes in record (16-bit number)                                                                                                                                            |
| 12-13 | Reserved, fill with 0x00                                                                                                                                                             |
| 14    | dBaseIV flag, incomplete transaction<br>Begin Transaction sets it to 0x01<br>End Transaction or RollBack reset it to 0x00                                                            |
| 15    | Encryption flag, encrypted 0x01 else 0x00<br>Changing the flag does not encrypt or decrypt the records                                                                               |
| 16-27 | dBaseIV multi-user environment use                                                                                                                                                   |
| 28    | Production index exists - 0x01 else 0x00                                                                                                                                             |
| 29    | dBaseIV language driver ID                                                                                                                                                           |
| 30-31 | Reserved fill with 0x00                                                                                                                                                              |
| 32-n  | Field Descriptor array                                                                                                                                                               |
| n+1   | Header Record Terminator - 0x0D                                                                                                                                                      |

#### FIELD DESCRIPTOR ARRAY TABLE

| BYTES | DESCRIPTION                                        |
|-------|----------------------------------------------------|
| 0-10  | Field Name ASCII padded with 0x00                  |
| 11    | Field Type Identifier (see table)                  |
| 12-15 | Displacement of field in record                    |
| 16    | Field length in bytes                              |
| 17    | Field decimal places                               |
| 18-19 | Reserved                                           |
| 20    | dBaseIV work area ID                               |
| 21-30 | Reserved                                           |
| 31    | Field is part of production index - 0x01 else 0x00 |

#### FIELD IDENTIFIER TABLE

| ASCII | DESCRIPTION |
|-------|-------------|
|-------|-------------|

C Character  
D Date, format YYYYMMDD  
F Floating Point  
G General - FoxPro addition  
L Logical, T:t,F:f,Y:y,N:n,?-not initialized  
M Memo (stored as 10 digits representing the dbt block number)  
N Numeric  
P Picture - FoxPro addition

Note all dbf field records begin with a deleted flag field.  
If record is deleted - 0x2A (asterisk) else 0x20 (space)  
End of file is marked with 0x1A

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