

## **Inventions:**

1. Energy-saving black and silver/white window blinds (available at Blinds-To-Go)
2. Rectangular shape of present plastic lubricating oil (automobile/petroleum) bottle with plastic spout at the end. The shape was my idea to save packaging materials and warehouse space.
3. Balanced cookware construction (patented)
4. Hill-climbing manual wheel-chair (just received commitment from wheel-chair company to develop it)
5. Energy-saving roofing enhancement

## **Strategic Planning:**

1. For British Petroleum, conceived and suggested “beyond petroleum” campaign, “BP Solar” division, “Invigorate” slogan, starburst/flower emblem, diversification plan, use of ethanol as 10% gasoline additive, and that they look into acquiring Amoco (to improve their perception as being an American brand) and ARCO (to acquire their ethanol production and distribution expertise and facilities)
2. Conceived Pick Systems “Flagship” strategic plan and marketing plan for “Advanced Pick (AP)”, including creation of UPdate processor, Menu processor, FlashBasic (translating Basic into C), TCL stacker, revamping Runoff as Output Processor, inclusion of advanced Basic features, sending ideas to Pick Licensees, Prime Information lawsuit
3. That British Petroleum (BP) should develop a synthetic motor oil to compete with Mobil One, which Dad agreed with, BP accepted, and Dad and his team did.
4. MAMSI Heart Walk charity walk-a-thon in the National Mall once a year for promotion and charity fund-raising.
5. Jekyll’s Hide is Leather expansion plan into Gaspari Leather Design and luggage stores.
6. Louann Plan.
7. J.G. Haldeman & Bro. plan to prove profitability of poultry line-of-business.
8. Plan to do Data Warehousing at MAMSI using a generic extraction tool.
9. Racine Enterprises Inc. business expansion plan, including:
  - 9.1. Purveyor development as a premier ERP/MRP system
  - 9.2. BB4GL as Rapid Application Development tools to develop Purveyor and UP.
  - 9.3. UP RDBMS plan for development of a new, highly competitive relational database management system.

- 9.3.1. Renaming Basic as STRING.
- 9.4. Strategic alliances with AccuSoft, Ramdata, Drexel Management Services
- 9.5. Development and marketing of inventions.
- 10. General Motors strategic plan.
- 11. Energy planning with U.S. White House under Obama administration.

## **Industry-Accepted Ideas:**

### ***British Petroleum***

- 1. Rectangular shape of present plastic lubricating oil (automobile/petroleum) bottle with plastic spout at the end. The shape was my idea to save packaging materials and warehouse space.

### ***Marketing***

- 1. MAMSI Heart Walk charity walk-a-thon and their heart logo
- 2. Putting local artists paintings on the wall of Mosaic Cuisine and Cafe to lower costs, get a percentage of the sales, and participate in the community
- 3. "Purveyor" Software
- 4. "Building Blocks 4<sup>th</sup> Generation Language RAD Tools" (BB4GL)
- 5. "Database Integrity Package" in BB4GL
- 6. "PowerTools" database management tools in BB4GL
- 7. "The GrabBag" set of programming utilities
- 8. "SpoolerPro"
- 9. "CursorPro" GUI editing
- 10. "FreedomProgramming"
- 11. "FreedomSaves" portable account saves and restores
- 12. "MoveIt" ETL
- 13. "AccessPro" report writer
- 14. "SafetyNet" database security
- 15. "QuickScreens"
- 16. "GoodByeProc" translator
- 17. "E" editor
- 18. "MultiMenus"
- 19. "AccuPro" AccuTerm Integration

20. "TermPhantoms" Tandem-based Phantom processor
21. "MasterLookups" Customer, Vendor, and Product Lookups

## ***Writing***

1. "Liphe Inc." screenplay (won Honorable Mention in a contest)
2. "Just a Saturday Night" (won class recognition)

## ***Management***

1. Extract, Transform, and Load at MAMSI
2. Set up a source code control system at MAMSI
3. Printer sharing at Aireco
4. Optical Storage at Aireco
5. "Purveyor" Software Ideas
  - 5.1. Projected average cost
  - 5.2. ETA system
  - 5.3. Route Stops by day of week
  - 5.4. Special Analysis module
  - 5.5. Freight and Storage system
  - 5.6. Lot control with lot selection in order entry
  - 5.7. End of year product analysis report
  - 5.8. Auto-calculated sales orders
  - 5.9. Quality coding
  - 5.10. Color coding of Purveyor and BB4GL screens by type
  - 5.11. Order additions screen
  - 5.12. Keeping inventory by the 100<sup>th</sup> of a pound/unit
  - 5.13. Freeze inventory-related processing during physical inventories
  - 5.14. Print invoices through NotePad
  - 5.15. Activity-Based Cost Accounting
  - 5.16. Credits on account w/ description only
  - 5.17. Billto/payto and quick cash receipts/disbursements
  - 5.18. Lookup subroutines for customer, vendors, products

- 5.19. Many of the lookup types for customers, vendors, and products
- 5.20. Rebate module
- 5.21. Special pricing module
- 5.22. Bid pricing module
- 5.23. Message board
- 5.24. Outgoing inventory tracking to maintain average costing
- 5.25. Open order system for purchasing
- 5.26. Fast posting of invoices to A/R

### ***Enhancements to Pick/MultiValue languages***

1. Creation of UPdate processor, Menu processor, FlashBasic (translating Basic into C), revamping Runoff as Output Processor, inclusion of advanced Basic features, in “flagship” strategic plan for AP Pick.
2. Named Commons in their present form
3. B-correlative (a.k.a call or U-correlative) calls from dictionaries
4. Using List pointer-type items in regular files to achieve unlimited item size
5. User-defined functions
6. Item/Record Locks (as opposed to Group Locks)
7. Distributed/Part Files
8. IN/NOT.IN/LIST.HANDLER in QM/UniVerse/Pick/BB4GL
9. Filing spooler items to a single file item (and not in Runoff format)
10. mvBase/Mentor process/line security and @TCL security and Break off from SYSTEM
11. Subroutines remaining in memory once called for the first time during a logon
12. If a CALL is to a subroutine which is not catalogued, it will now check for the subroutine in the same file as the calling program before crapping out.
13. LOCATE function returns POS+1 instead of -1 when data not found.
14. LOCATE supports ARRAY,n starting position
15. MOVE-FILE, COPY-FILE, RENAME, and CHANGE-FILE in Mentor/mvBase/UniVision.
16. PASSLIST RTNLIST CAPTURING syntax in EXECUTE on Mentor, which carried over to the rest
17. Newer SELECT list behavior w/ EXECUTE on Pick AP, which carried over to UniData also
18. Separate logon from account in AP/D3
19. Translating Pick Basic into C, then compiling (became FlashBasic in AP/D3)
20. +=, -=, \*=, /=, ^=, :=
21. IN/INPUT X,0/KEYIN() (unedited, single-character input in Basic)
22. FINDSTR
23. SENTENCE()/@SENTENCE/TCLREAD

24. CONVERT() to Mentor and the function form of VAR2=CONVERT(A,B,VAR1)
25. SWAP()/CHANGE()
26. REVREMOVE
27. LIST-INTER,LIST-UNION, COMPARE-LIST
28. ASSIGNED()/UNASSIGNED()
29. FIELDSTORE(), GROUPSTORE()
30. SPOOLQ
31. FOLD(), FOLDS()
32. NEG(), NEGS()
33. R83/AP/D3 UP processor
34. R83/AP/D3 MENU processor
35. File re-sizing 'in-place'
36. Interrupt trapping
37. Level-pushing
38. Recursive Q-pointers
39. GUI background images in SFORMS on Mentor/mvBase/UniVision

### ***AccuTerm and Terminal Enhancement Ideas***

1. Thin-client GUI
2. Multi-page (Active Pages) terminal memory in ADDS 4000 terminals (8 pages) and in AccuTerm (25 pages)
3. Double-wide and double-high characters in ADDS 4000 terminals and AccuTerm
4. 44-row option in ADDS 4000 terminals and AccuTerm (AccuTerm can even be more than 44 rows and more than 132 columns)
5. Programmable characters in ADDS 4000 terminals
6. Insets in AccuTerm fonts
7. Use SELECT FILE DictName for AccuTerm file transfer
8. Wallpaper (background images) in SUI version

### ***"Building Blocks 4<sup>th</sup> Generation Language RAD Tools" (BB4GL)***

1. "AccessPro" Report Writer
2. "TerminalPhantoms" Tandem-based Phantom processor system
3. UPD processor
4. "FreedomSaves" Totally transferable account saves

5. "Database Integrity Package"
6. "Power Tools" database management tools
7. Enhanced Soundex lookup routines
8. Wild-carding in INDEX/IDX function
9. AVERAGE and PERCENT b-correlatives for TCL
10. "QuickScreens" Saving screens in BB4GL and in Pick/QM
11. Print screen and support facility utilizing generated print screen
12. Extended rows and columns on terminals and AccuTerm, beyond 132 x 24
13. "E" editor, insert captured output in E editor in BB4GL and ED editor
14. "The Grab-Bag" set of programming utilities
15. Scrolling by arrow keys and mouse
16. "SpoolerPro" Account-specific spooler menu
17. SP-ASSIGN using a default printer assignment
18. "TermPhantoms" Tandem-based Phantom processing

***Still to be accepted ideas:***

1. Nuclear waste disposal by rocketing the waste into the Sun (I was never sure if I meant this or not, myself. It is dangerous but just as much as letting it sit around on the ground waiting for some terrorist or earth-quake to blow it up and spread it around. I never intended anyone to do this until after people stopped using nuclear power. It occurs to me now that a better idea would be to shoot it off to Saturn, Uranus, or Jupiter. Shooting it into the Sun might cause very bad solar flares.)
2. Energy-saving roof invention (now practical)
3. Balanced pots and pans (actually, I have a patent on this as "Balanced Cookware")
4. A new GUI screen function for use with AccuTerm.
5. New GUI reporting idea for MultiValue Access and SFORMS.
6. "The Downside of Success" Novella.
7. BB4GL and AccuTerm use at basys as new development direction for company.

Total: more than 100 accepted inventions and ideas.