



## Franklin L. De Remer

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[Creator, Maker: Cosmos](#)

**Objective** An executive position or member of a Board of Directors for a high-technology company that desires a strong, principled basis.

### **Skills** Ability to:

lead and encourage a group of people toward a common objective.  
analyze, understand, formulate, and negotiate complex sales of intellectual property and related expert development and support services.  
compose the business aspects of formal legal agreements and work well with attorneys on legal issues.  
understand and manage a complex human system involving business, marketing, financial, personnel, operational, development, support, and other aspects.  
teach scientific subjects, especially computer science — consistently received top reviews by students while maintaining highly demanding course curricula.  
understand, analyze, and design grammars and languages for special purposes, such as programming languages — a “programming linguist”.  
research and learn new areas rapidly and thoroughly.

### **Professional Experience**

1999-July, 2002 Director of Contracts, ARC International plc  
Also Summer '03 Reporting to the CFO, then Corporate Counsel, Allan Richards, then Tom Huppuch, I wrote, negotiated, maintained, and managed the licensing and consulting agreements for the company.

1979-1999 Co-Founder, President, CEO, Chairman of the Board  
MetaWare Incorporated [www.metaware.com](http://www.metaware.com)  
2155 Delaware Avenue  
Santa Cruz, CA 95060-5706

MetaWare had a long success in the 32-bit desktop and engineering-workstation tools market (software development tools: compilers, assemblers, linkers, debuggers, IDEs, etc.) and made the transition into the embedded tools market in 1996-1999.

I founded MetaWare with Tom Pennello with an investment of \$2500 worth of software that we had developed. We built MetaWare to as high as \$6M/year and 54 employees

I served as manager and/or worker in every functional position over the years. Primarily, I focused on contracts: negotiating them with customers and administering the text with the advice of outside counsel.

I have come to realize that I am a tough negotiator because I stick to principles, especially of equity among our customers for a win-win deal in each case. We managed MetaWare based on Biblical principles and as a result achieved a loyal following of employees and customers.

We sold MetaWare to ARC International on October 1, 1999.

- 1993-1995 **VP, Business Development**, MetaWare Incorporated  
(during a period when I had hired another person to be President)
- 1969-1982 Professor of Computer and Information Science (Assistant, Associate)  
UCSC (University of California at Santa Cruz).  
Taught graduate and undergraduate courses in Computer Science, especially in the area of programming language design, processing, and compiler construction.  
Supervised four M.S.-Ph.D. students through to the Ph.D. degree:  
Thomas John Pittman: M.S. 1980, Ph.D. 1985  
Richard Jullig: Ph.D. 1983  
Tom Pennello: M.S. 1977, Ph.D. 1982  
Hans Kron: M.S. 1974, Ph.D. 1975  
Ph.D. committee member for one student  
Manuel Enrique Bermudez: Ph.D. 1984

## Education (Massachusetts Institute of Technology, Cambridge, MA)

- 1969 Ph.D. M.I.T. Computer Science and Electrical Engineering  
Thesis topic: "Practical Translators for LR(k) Languages"  
Invented the "LALR(k)" and "Simple LR(k)" grammars and methods of constructing parsers for them. These research results are referenced in almost every textbook on compiler construction.
- 1966 M.S. M.I.T. Computer Science and Electrical Engineering  
Thesis topic: "Ferrite Memories"  
Constructed an electromagnetic model of how they work. Co-published as derivative conference paper with my manager at RCA Laboratories, Princeton, N.J., where I was on a cooperative program.
- 1965 B.S. M.I.T. Electrical Engineering, Honors and Cooperative Programs

## Publications

15 major papers on topics ranging from grammars for programming languages and parsing techniques (SLR(K) and LALR(K)) and their applications to programming-in-the-large versus programming-in-the-small, 1971-1985. List available upon request.

See especially <http://www.cs.utexas.edu/users/mckinley/20-years.html> in which one of my papers was selected as one of 50 most influential and technically excellent papers on programming languages and their implementations during the period 1979-1999.

## Activities/Hobbies

Snow skiing, hiking, RV-ing, greeting at church, homeschooling with my wife two great kids (daughter & son) and now sending them off to college well prepared. Restorations: 1971 Mercedes-Benz 280SL (just sold!), 1990-92 Aero Cruiser motorhomes (working on my second).

