

Everything old is new
again and again

What we could have learned
from a book on COBOL from
1976, but didn't

<https://chads.space/cobol>



Chad Nelson

@bibliotechy



eScholarship
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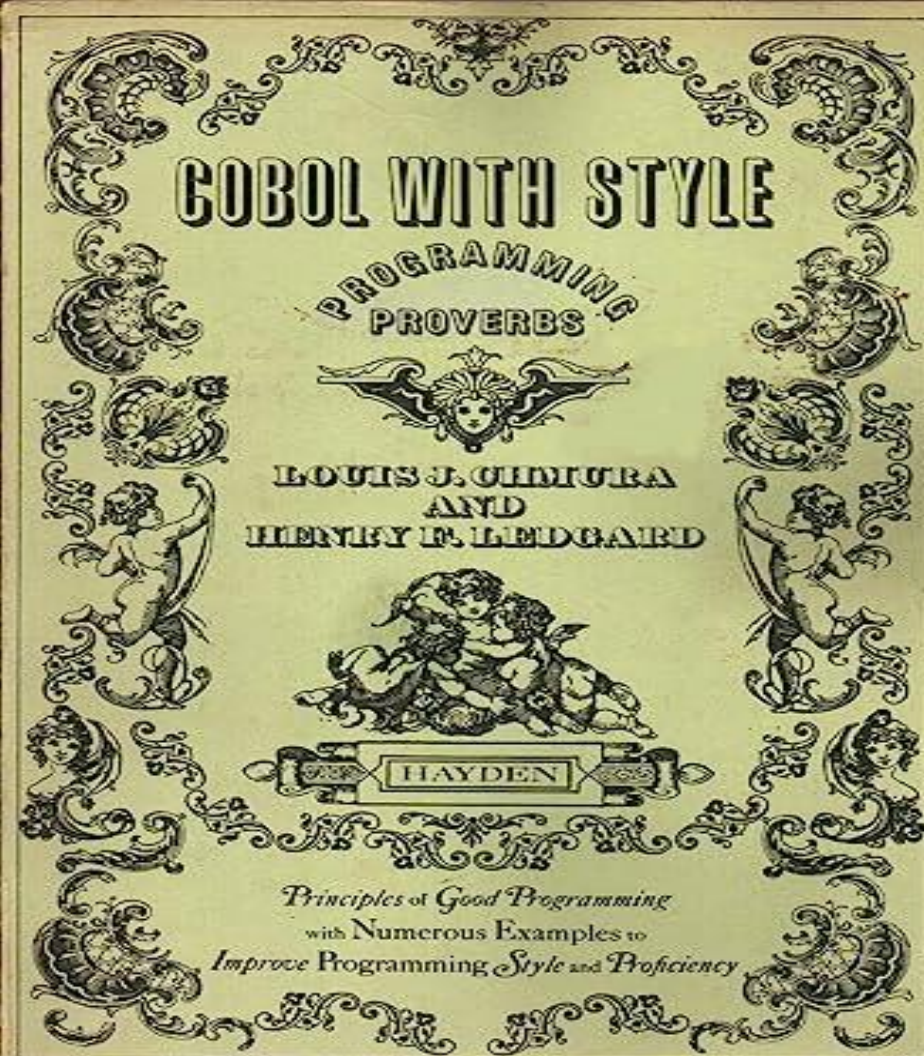
*Publishing, Archives, and
Digitization*



CALISPHERE
UNIVERSITY OF CALIFORNIA

COBOL with Style

*Principles of Good Programming with
Numerous Examples to Improve
Programming Style and Proficiency*



Louis J. Chmura

Henry F. Ledgard

\$39⁹⁵ Any Two for **\$77!**

THE BOMBAY COOLER

THE BENGAL LANCER

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Introducing "Calcutta Cloth" It's the great heat-beater fashion fabric of the year. Super cool and comfortable 100% crushed cotton. Incredibly packable . . . machine washable.

The Bombay Cooler . . . Wear this **long-sleeve** leisure suit anywhere and really beat the heat! Four button-flap pockets . . . high-back, long-point collar . . . chalk buttons. Flare bottom pants have western pockets (plus two back pockets). In **Copen Blue** or **Yellow**.

The Bengal Lancer . . . Our **half-sleeve** leisure suit is adapted from the off-duty uniforms of the British Bengal Army. Note the button-flap pockets on chest and sleeve. Plus epaulets . . . high-back, long-point collar . . . chalk buttons . . . smart contrast stitching. Pants have flare

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ANYWHERE ANYTIME
24 hours a day
7 days a week**

		SIZES			
Quan.	Item	Color	Jacket	Pant	Price
	Bombay Cooler	Copen Blue			
	Bombay Cooler	Yellow			
	Bengal Lancer	Bone			
	Bengal Lancer	Melon			
	T-Shirt	As Shown			

MEN'S FASHION CATALOG.

Name _____

Address _____

City _____

State _____ Zip _____

Why?



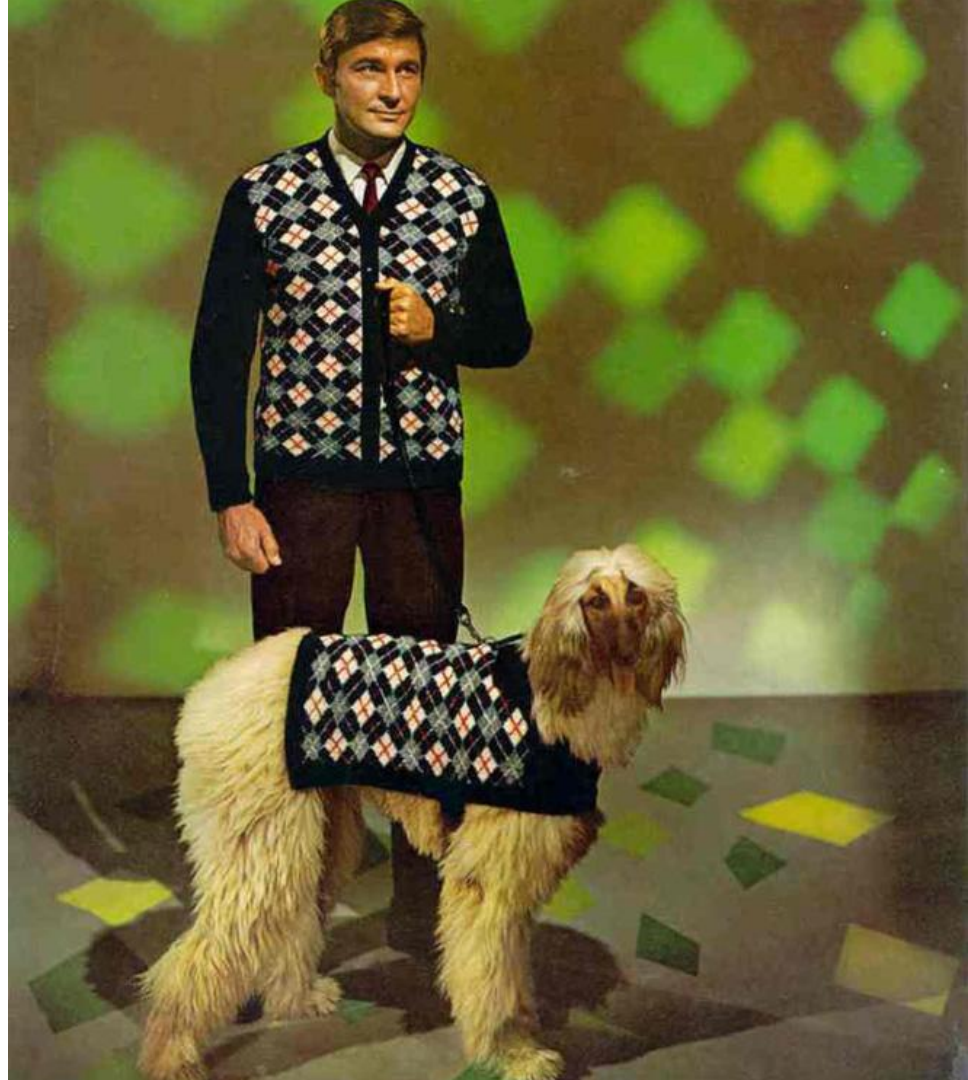
Still Feels Modern

Technological Context

*Genealogy of Software
Ideas*



The Proverbs



Don't Panic

*Start the Documentation
Early*

Think First, Code Later



Proceed Top Down

Design in Levels

Initial Language Independence

Postponement of Details to Lower Levels

Formalization of Each Level

Verification of Each Level

Successive Refinements

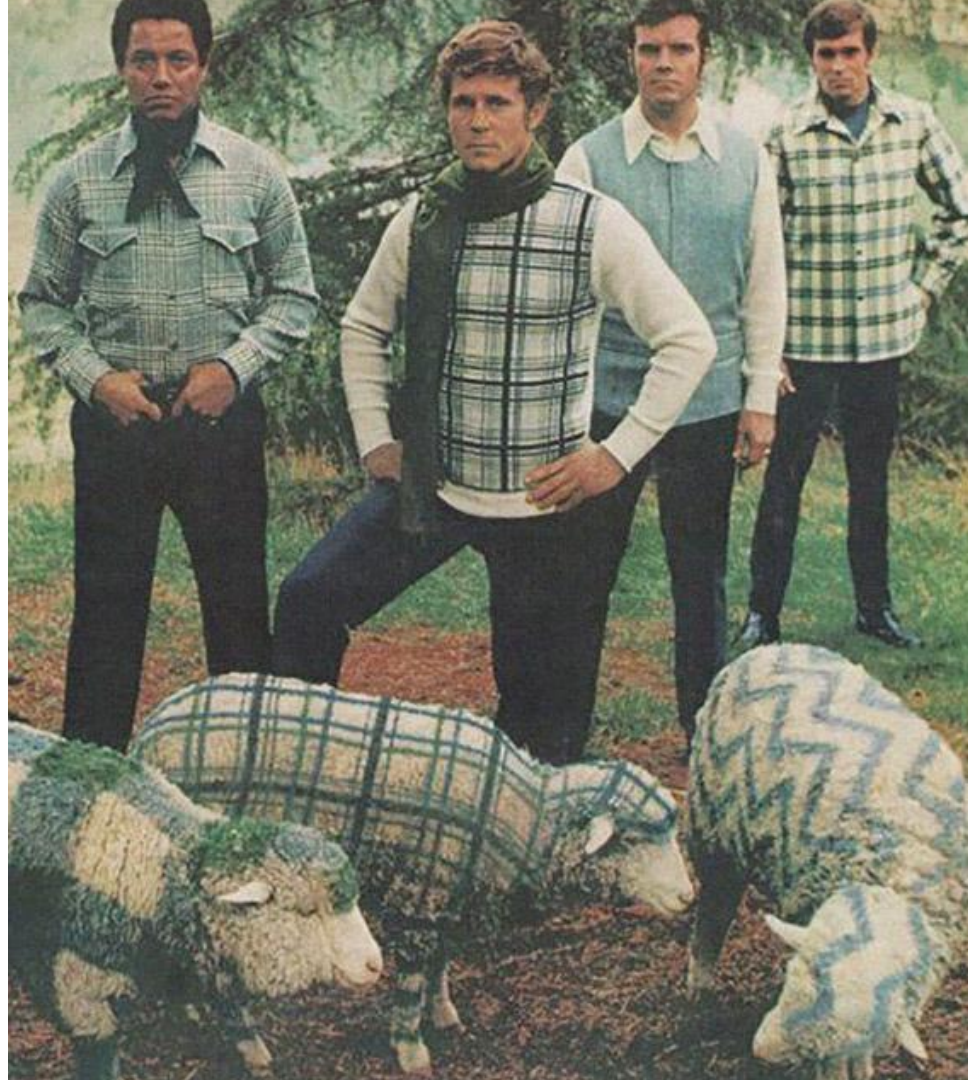


Beware other approaches

Bottom up

Inside Out

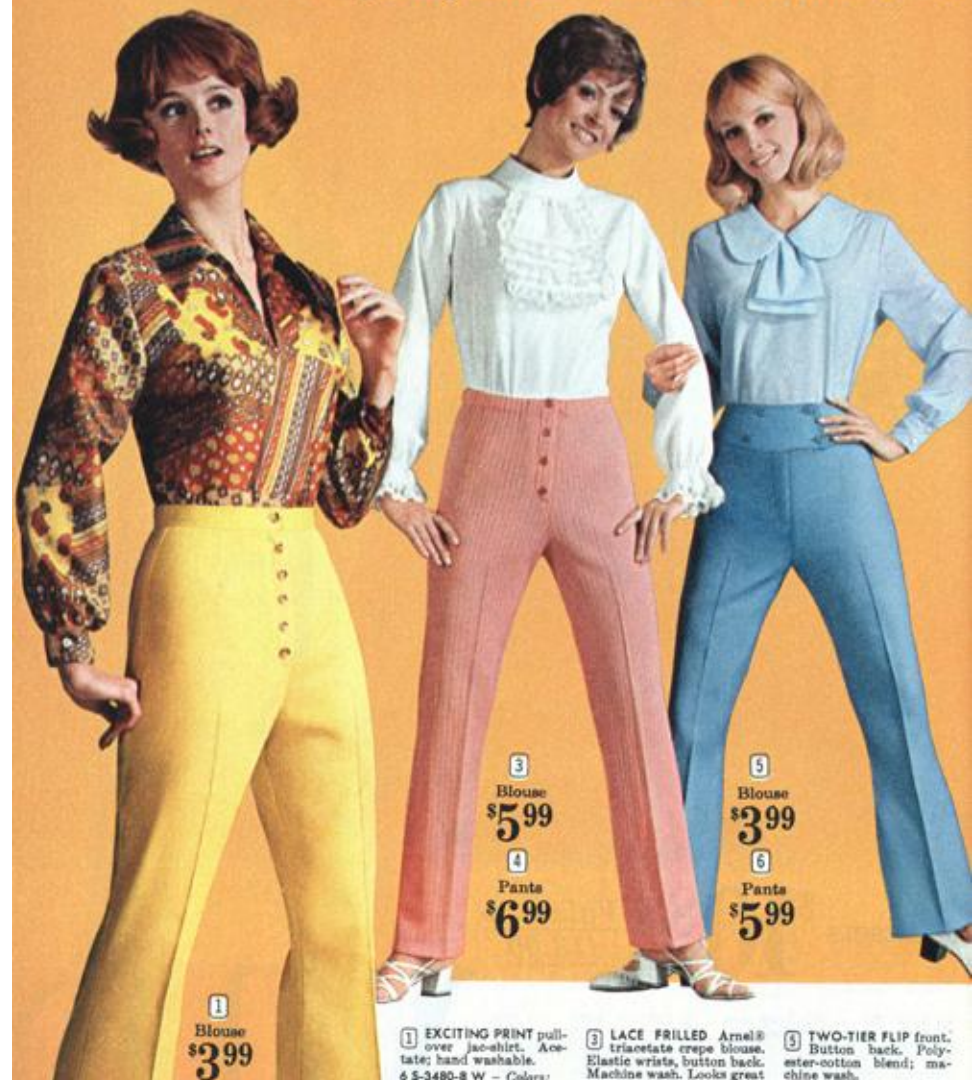
Linear



Code in Modular Units

Plan for Change

*Prepare to Prove the
Pudding*



Prettyprint

Comment Effectively

Use Mnemonic Words

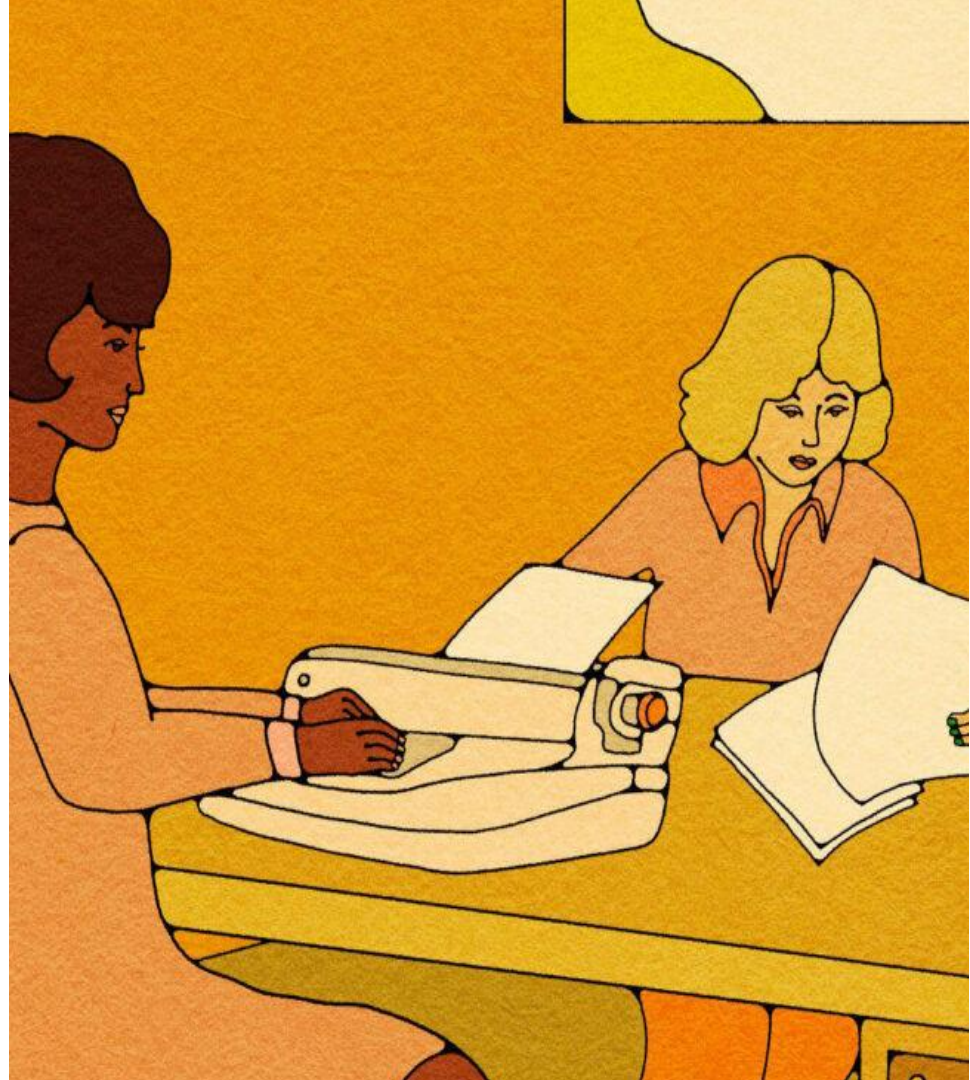
*Don't Leave the Reader in
the Dust*



*Have Someone Else
Read the Work*

Read the Manual Again

*Don't Be Afraid
to Start Over*



Still Feels Modern



Technological Context



Genealogy of Software Ideas



22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60																					
NUMBER		OF		DISLOYAL		EMPLOYEES		=	XXXXXX																																																		