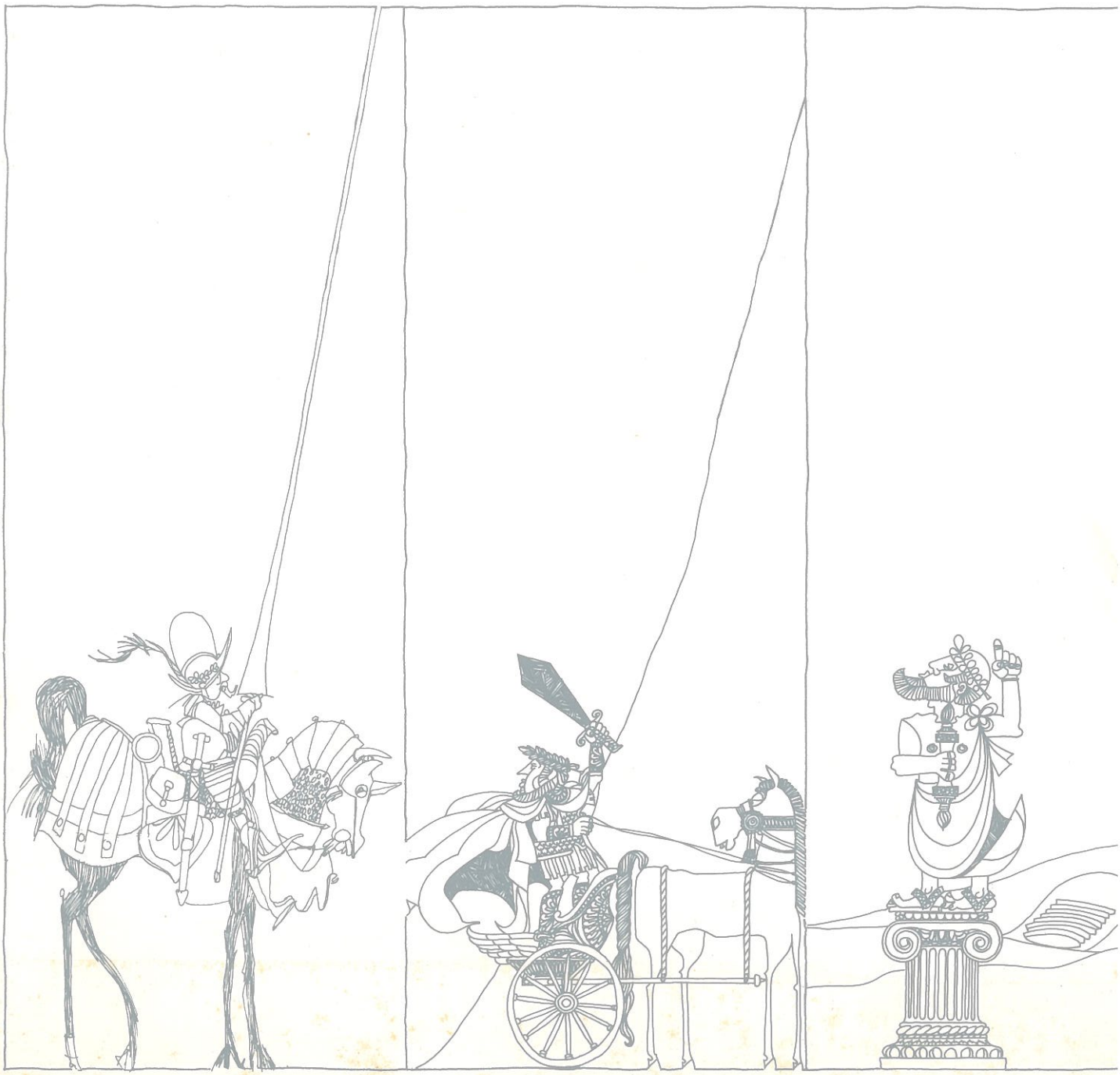
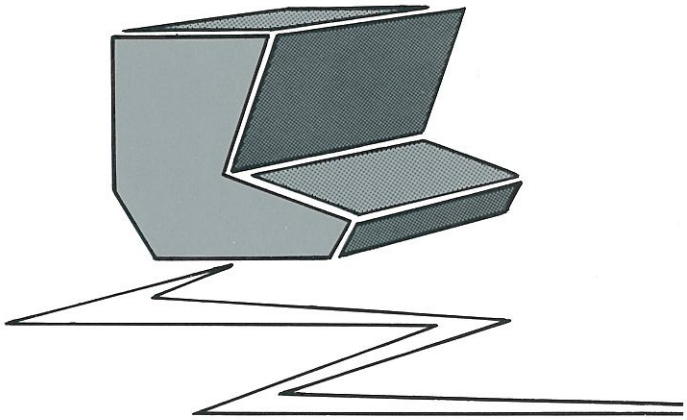
Meet the family

The Total Information Management Environment

The Cincom Systems Family of Component Software Systems

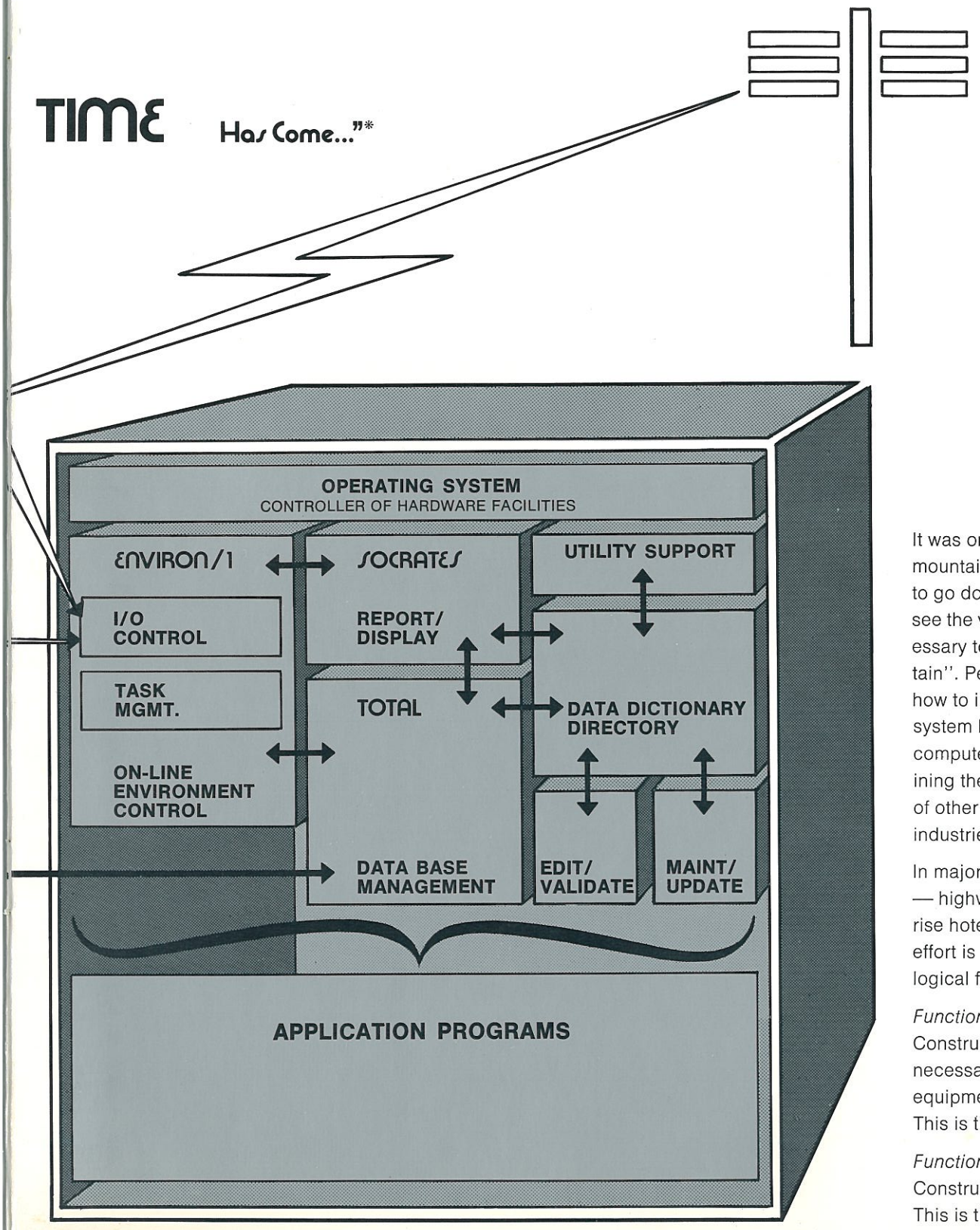


"More Powerful Than Armies Is An Idea"



* Victor Hugo

TIME Has Come...”*

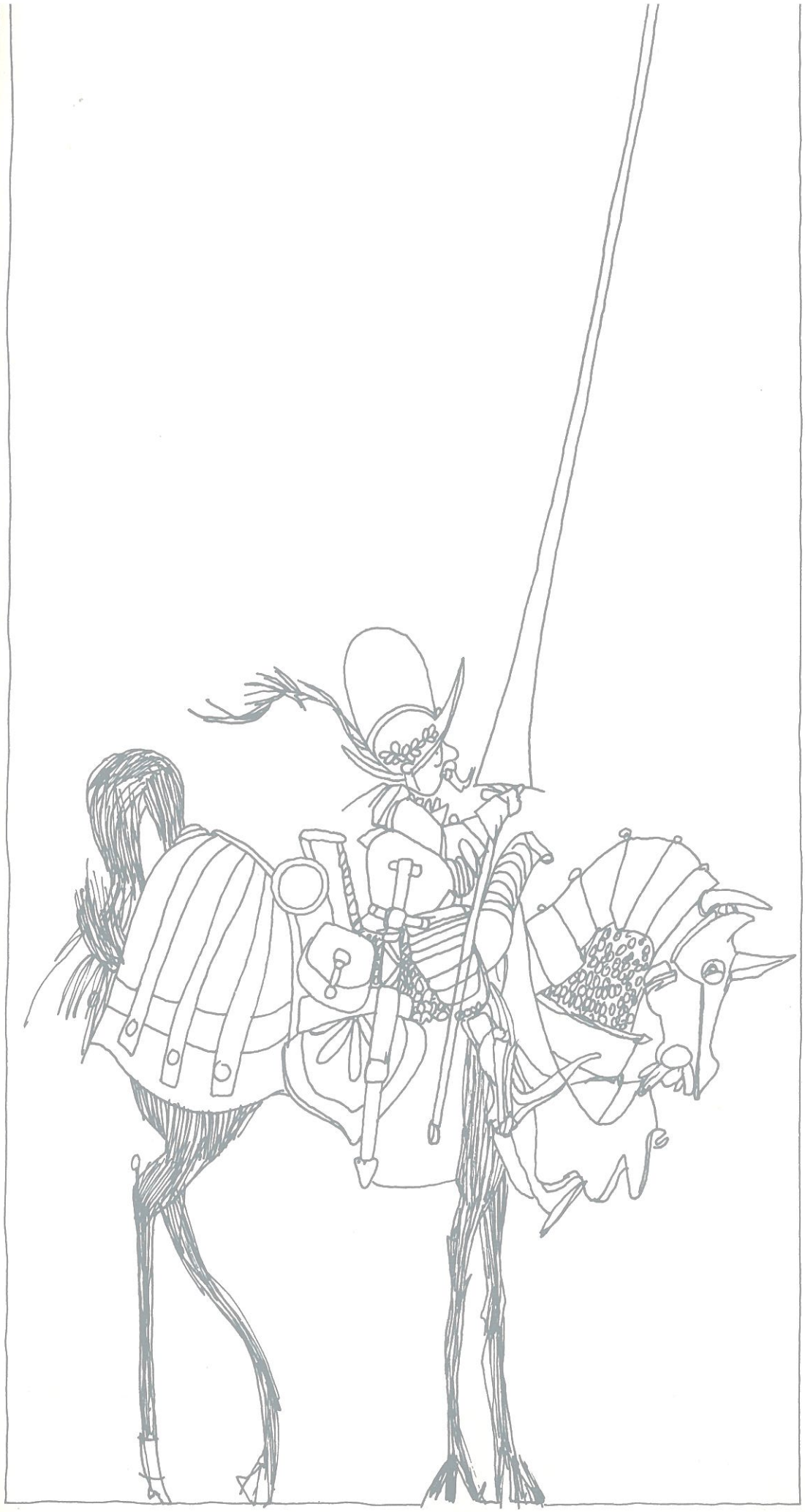


It was once said that “T
mountain correctly, it is
to go down into the vall
see the valley correctly,
essary to go up onto the
tain”. Perhaps we can l
how to implement an in
system by looking awa
computer environment
ining the techniques an
of other implementatior
industries.

In major construction o
— highways, bridges, c
rise hotels — the imple
effort is *always* divided
logical functions:

Function 1 —
Constructing and asser
necessary resources, ir
equipment and sources
This is the Preparation

Function 2 —
Constructing the thing i
This is the Constructior



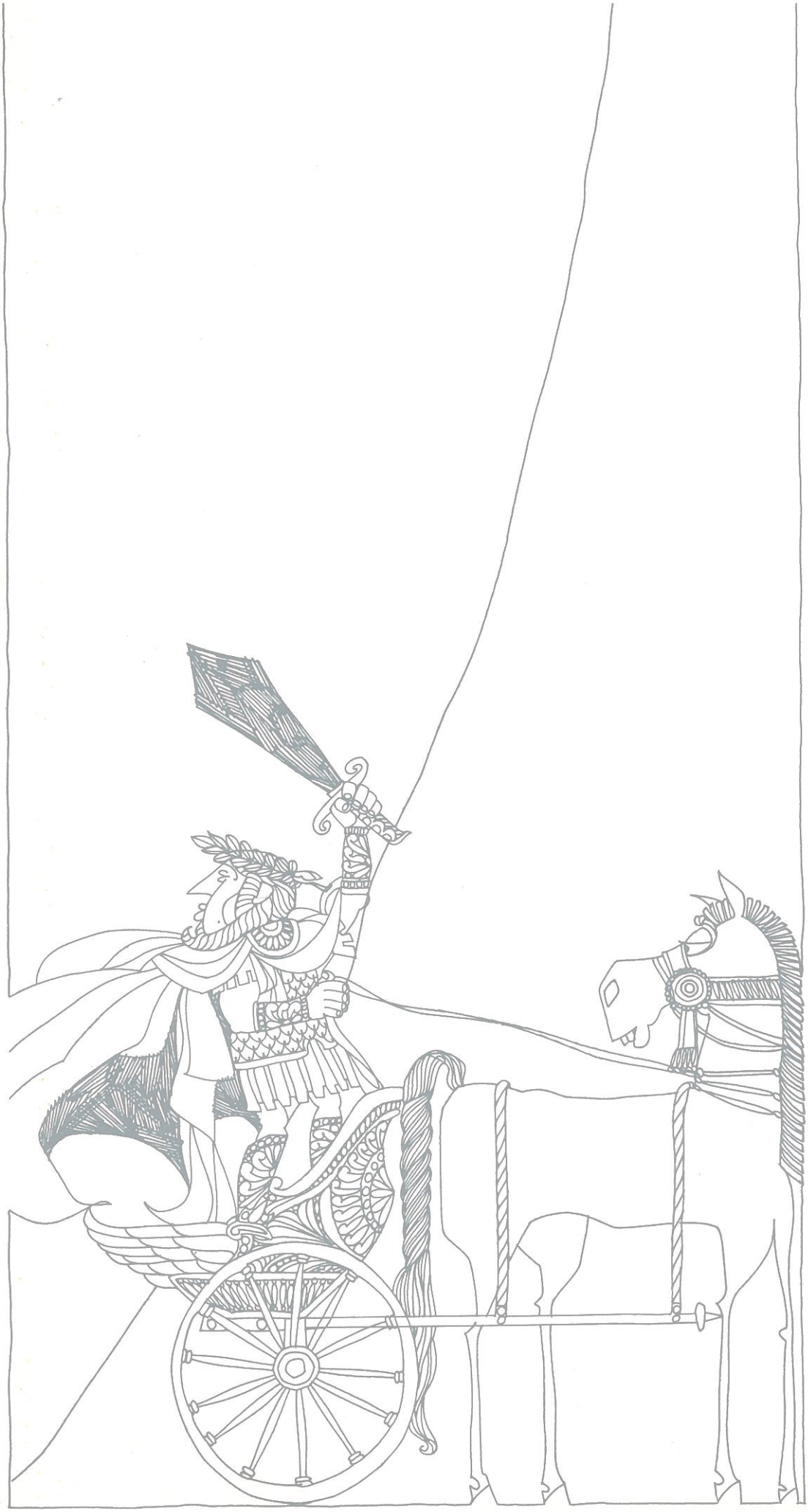
There are two major observ
of significant importance:

1. Construction of the end
never begins until the requi
ments of the Preparation Ph
have been established. In m
instances these requiremen
as massive or perhaps more
consuming than the actual b
ing of the end object itself. I
how long it seems to take I
highway construction crew
making noticeable progress
once the paving with concr
begun, it seems that almost
night the highway is comple

2. Professional builders are
cialists in building *end prod*
They *use* tractors, cranes, e
moving equipment, and adc
temporary human resources
required. They do *not* build
and cranes themselves. The
or lease this equipment as r
from other specialists. The c
tive is to build hotels and/or
highways — not tractors. Fu
one piece of equipment may
used over and over in many
struction projects, just as or
piece of systems software m
support many applications.

Cincom Systems specializes
building the tools for the bui
of integrated data base and
information systems.

A successful computer depa
develops a plan for applicat
implementation, usually bas
priority, pay-back, and dema
from its end users. It is impo
to have a plan for building a
offering "software tools" to
end users.



It takes time to build info
systems; and we have na
family of software tools T
is Cincom's objective to

Total Information Managemen Environ (ment

All of the software produ
user tools, will be integra
this family. Each product
used independently, or a
ponents of TIME.

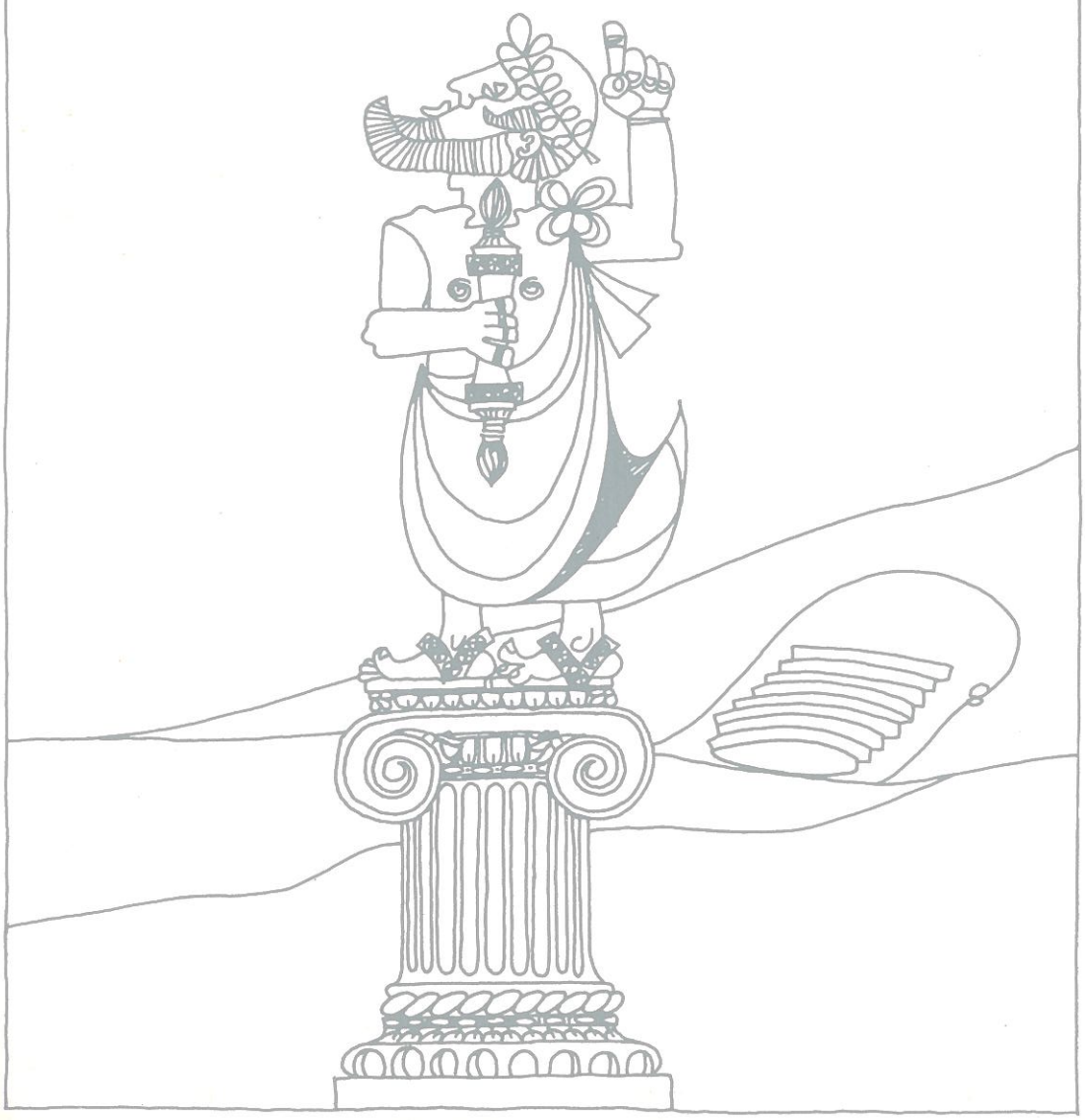
In this way, users can pic
choose to satisfy their ow
diate needs — but have t
ance that as their needs
the necessary tools will b
able — *and they will all f*
The user may now have a
"matched set" of softwa
with which to build his in
system. The generally re
components of our TIME
software plan have been
and are illustrated herein

Cincom Systems softwar

- ☐ Data Base Manager
- ☐ System Dictionary an
- ☐ Reporting and Displa
- ☐ Editing and Validatior
- ☐ Maintenance and Upc System
- ☐ Utilities and Support S
- ☐ On-Line Environment System

Many of these componer
are already available, inc

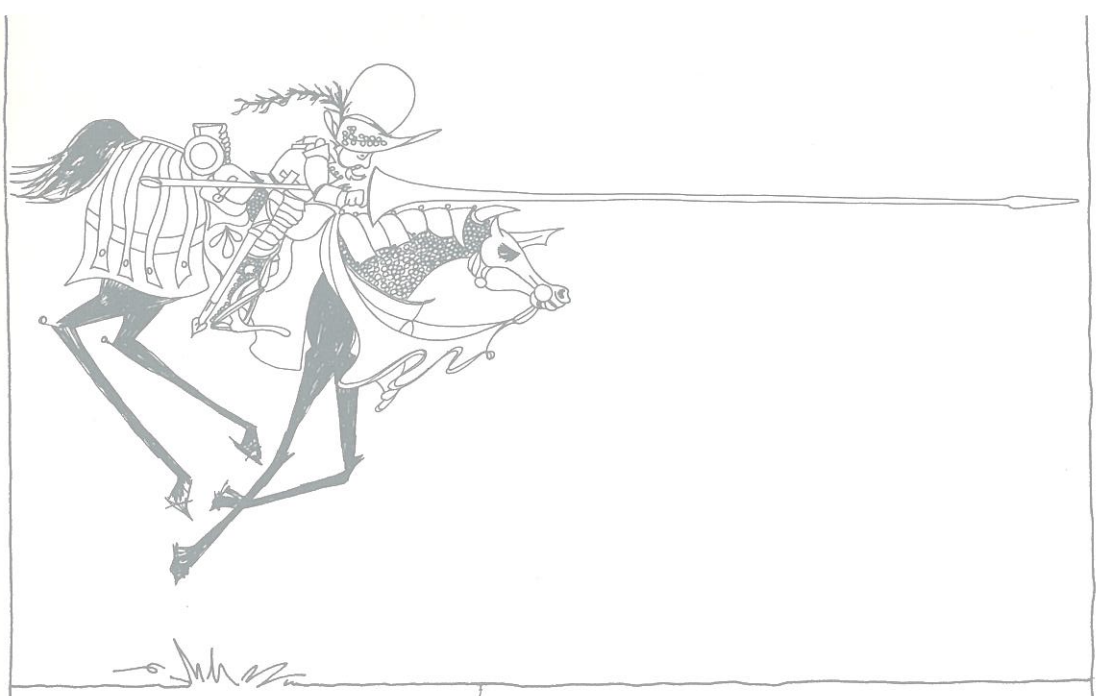
TOTAL: a data base mar
system which is perhaps
widely and successfully
system in the world. It is
TOTAL most clearly fulfil
quirements and recomm
of such study groups as
and Guide-Share. TOTA
same time powerful and
easy-to-use, but sophis
capability. Since data ba
typically the logical start
most of our clients usual
with TOTAL.

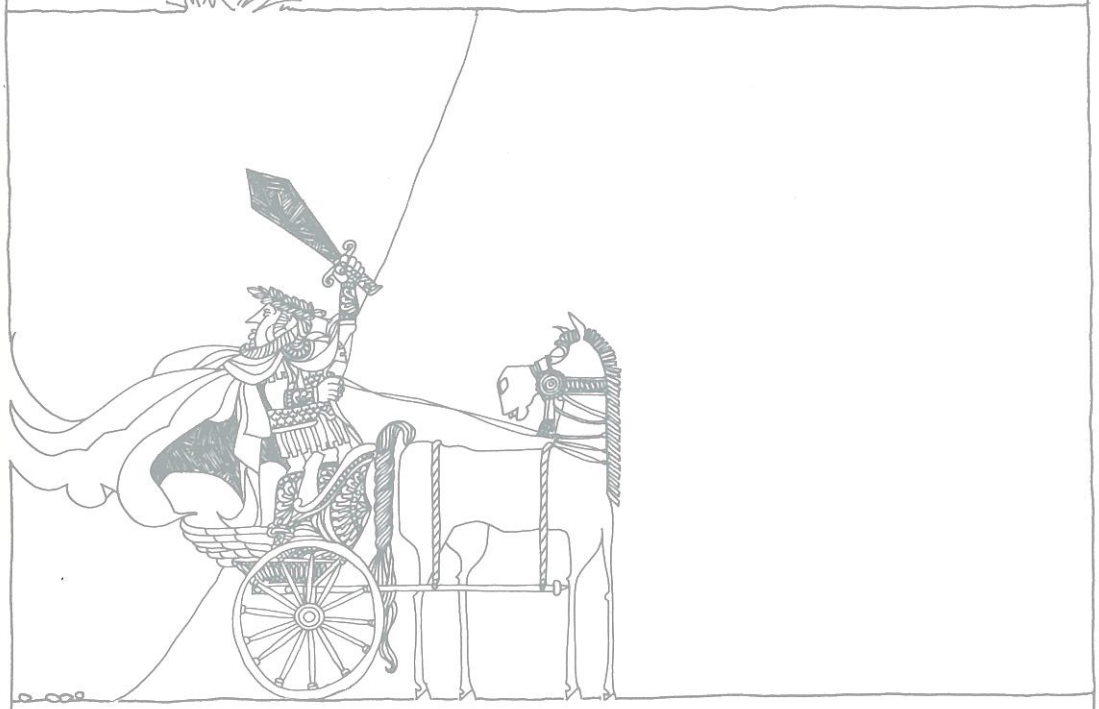


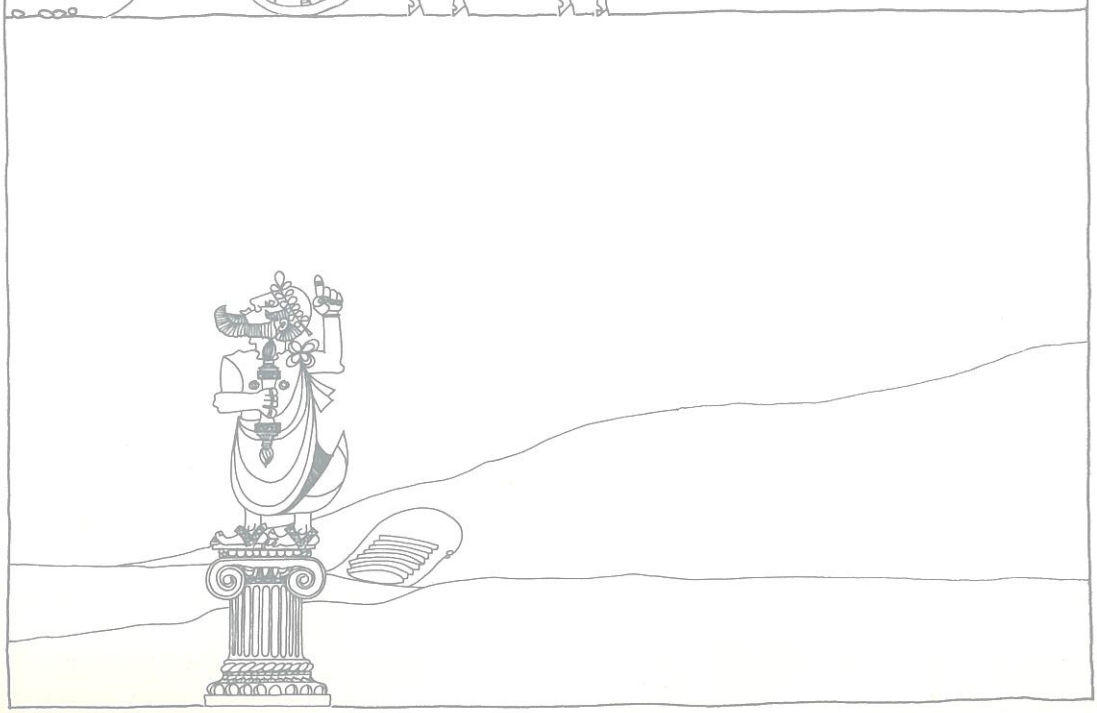
Environ/1: an on-line contrc
tem which provides for far m
than a terminal monitor anc
manager. Born of a new phil
phy which recognizes that "
line" is a different world fron
"batch", Environ/1 is desigr
conserve and efficiently utili:
system resources. One may
with but a few terminals and
minimal equipment and grov
his needs change. Users wit
massive requirements have t
Environ/1 to be the finest pe
ing and most complete syste
available. *And,* since the des
capacities of Environ/1 are e
pandable, your growth will b
compatible — with little if an
work. There is no need to be
with endless conversions.

Both TOTAL and Environ/1 a
fully recoverable and restarta
thus fulfilling a major requir
in data base and on-line sys
SOCRATES is Cincom's Use
Language. It is uniquely desi
to fulfill the requirements of r
porting from complex integra
data bases in an easy-to-use
high performance mode. No
writer can compare with the
and capability of SOCRATES
a data base environment. B
still, SOCRATES is easy to le
and to use.

We feel that this "set" of sys
tools, and others which are c
rently available or soon to be
nounced, will be of good util
to any thoughtful builder of ir
grated information systems.
course, acquiring or buildinç
right kind of systems softwar
only one half of the problem.
other half — and maybe the
important half — is "How to
systems software to its best a
vantage". Here is the proble
a nutshell:







If the software is difficult
learn and complex to use
inevitably progress will b
and costly. The resultant
tion systems will probabl
cumbersome and ineffici
few users will want to go
rework these systems an
through all that again". T
be forced to live with anc
these bad systems for m
to come. Some may ever
forced to build further or
rickety foundations.

As performance problem
unbearable (which is ine
the only other alternativ
to overpower these syste
ciencies with more and
hardware.

We feel that there must b
way. And there is.

We demand more from c
ware tools than power a
bility. We also insist that
easy-to-learn and straig
to use. After all, of what
a clumsy tool? We dema
education and support t
concise and to the point
educational programs a
that our support people
they are talking about, a
sincere interest in your r

We like to think that this
ment is one of the reaso
clients are scoring so m
cesses in areas where s
have been rare in the pa
is important for us to be
our clients feel comforta
confident that they are n
successfully in the right
We're proud that they're
the results they're gettir
progress they're making

Our plan is to provide th
software *and* the vital c
software support which
needed to help anyone
plans for an integrated i
system with a minimum
and the greatest succes

If you are thinking of inf
systems, why not talk to
who think of nothing els

Cincom Locations
Bloomington, Minnesota (613) 835-4213
Braintree, Massachusetts (617) 848-7988
Cincinnati, Ohio (513) 662-2300
Dallas, Texas (214) 661-0527
Decatur, Georgia (404) 296-5045
Des Plaines, Illinois (312) 297-2280
DeWitt, New York (315) 446-3414
Los Angeles, California (213) 826-4616
Miami Lakes, Florida (305) 821-3600
New York, New York (212) 869-3409
Pittsburgh, Pennsylvania (412) 922-6653
Renton, Washington (206) 255-8840
San Diego, California (714) 291-5378
Southfield, Michigan (313) 559-5650
St. Louis, Missouri (314) 878-5080
Sturtevant, Wisconsin (414) 886-4319
Sunnyvale, California (408) 735-1080
Vienna, Virginia (703) 281-2121
Westport, Connecticut (203) 226-9171

Berkshire, England TLX 851-847-198
Brussels, Belgium
Crows Nest, New South Wales, Australia TLX SECCO AA25468
Delta, B.C., Canada (604) 946-6125
Mississauga, Ontario, Canada (416) 279-4220
Paris, France 538-1407

Cincom Systems, Inc.: We create efficiency.
2300 Montana / Cincinnati, Ohio 45211 / (513) 662