

A Montreal salute to a Great man

J'AIMESON!

Mrs Murphy's Law

**BEHIND
EVERY SUCCESSFUL MAN
IS
A SURPRISED WOMAN !**

**Lester B. Pearson,
Canadian Prime Minister
and Nobel Peace Prize Winner**

The Airplane code!

**And on the 7th day, Jameson wrote
the Airplane code:**

**People complain that every time the
Airplane code crashes**

**They must wait until they locate
the black box!**

Jameson's golden rule for CFD Codes

**THE FIRST ERROR
IS
TO EVER ASSUME
THAT A CODE
HAS NO ERROR!**

The theory of evolution, or the evolution of theory?

He then created

FLO-6

FLO-12

FLO-22

FLO-27

FLO-30

FLO-36

FLO-42

FLO-52

FLO-57

FLO-67

**In case you did not already know,
the code number indicates the number of
parameters to be tuned by the user !**

**Fame: a call from the White House in the middle of the night
The Clinton Final Days (CFD!)**

HE HAD TO ANSWER:

NO, HILLARY,

**YOU CANNOT SOLVE
THE WHITEWATER PROBLEM
WITH A CFD CODE!**

Time marching or truly unsteady?

“TIME MARCHING”

**Indeed, time is marching,
for most of us
but not for Jameson!**

**EVEN IN REAL LIFE,
HE IS DOING HIS OWN
LOCAL-TIME STEPPING !**

The St. Jameson Bible, New Testament

They claimed he could not do unstructured grids, he replied: not so, this is my bread and butter and gave them a *BAKER's* dozen !

Revengeful, he then unleashed on them a *WOLFGANG* !

He said to his detractors: don't buy my codes and call it a sale, just borrow my ideas and let's call it a *LOHNER* !

The St. Jameson Bible, Epilogue

**Finally, when they could not hold
anything against this WHOLY man
they had him arrested for**

ENTHALPY DUMPING!

**La Bible selon Saint Jameson
Collaboration-Française-Deutsche (CFD!)**

**His ideas travelled fast to Europe and
his codes were even used in the design
of the AIR MESS (*HERMÈS*) Space
Shuttle and the one who SANK
*HER(SANGER) !***

**He tried to work with Dassault but
could not because his name did not
start with a P!**

Périaux, Perrier, Poirier, Pironneau!

The St. Jameson Bible: it's a JOB!

Even at times when his relation with NASA went SOUTH, he took SALAS in the fact that he was the only one with an airplane code !

**He also took it stoically when people commented that his scheme may not be
GODUNOV !**

**Even at Princeton, authors came, with one from VPI to which Jameson said:
GROSSMAN !**

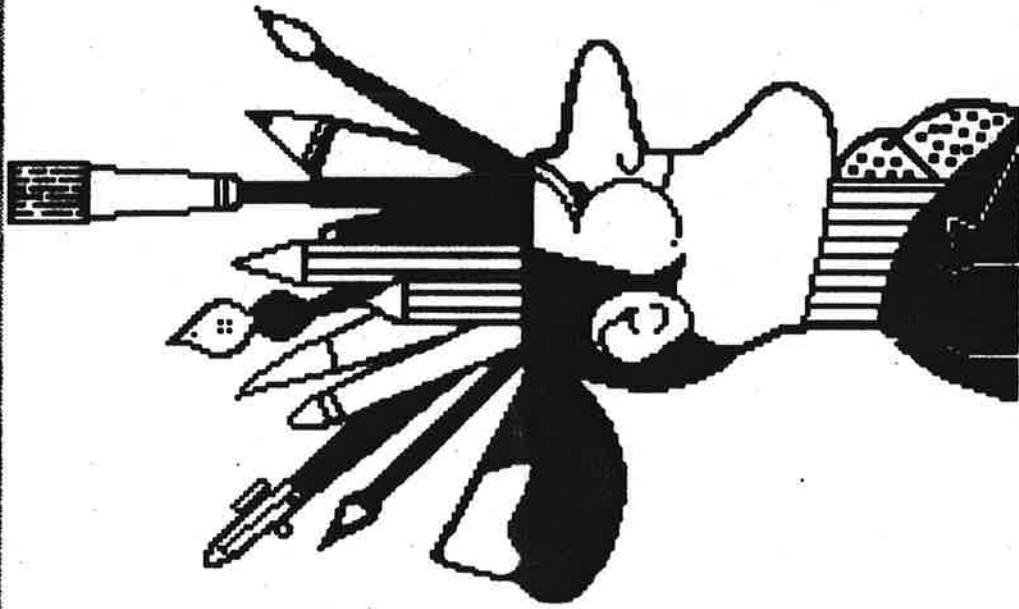
The St. Jameson Bible, Old Testament

From his **EULER** years, people knew that he had **POTENTIAL**.. When he became a **GRUMMAN**, he left for the US and, for a while after, worked at a University connected to the **KGB**:

KORN-GARABEDIAN-BAUER !

He was determined, single-minded: there was no **LAXity** in his work and he never **WENDROFF** in too many directions.

Give to Caesar.....The Lord of Upwind



**Is Jameson von Karman's re-in-Karma-tion?
TONY AND THEODORE?**

“VON KARMAN'S LAW”

**WHEN PEOPLE CANNOT
SOLVE AN EQUATION
THEY ADD A FEW TERMS TO IT:
THEY STILL CAN'T SOLVE IT
BUT IT MAKES THEM
FEEL A HECK OF A LOT BETTER !
(H.P. Liepmann, Caltech)**

Words Jameson never used, 2

“A NEW OR NOVEL APPROACH”

**Usually means that you have not read
other people's papers!**

“AN IMPROVED METHOD”

**Because the original method
was really not as good as we claimed!**

“AN IMPROVED METHOD”

Come on! Improve over perfection?

“A MODIFIED METHOD”

**The same method, presented at another conference,
but with the authors' names reshuffled!**

also known as the *Parallel Professors Technique*

Words Jameson never used, 1

**“THE BACKWARD FACING STEP
AND
THE DRIVEN CAVITY PROBLEM”**

*Two ingenious devices
we all use for the mass production
of Ph.D.s*

*You have never seen those
in Jameson's papers*

Unstructured; period !

**AFTER YOU READ PAPERS WITH
THE WORD UNSTRUCTURED IN
THE TITLE, YOU WONDER
DO THEY MEAN THE METHOD?
OR JUST THE WAY THE PAPER IS
WRITTEN!**

Some Jamesonian notations, 2

WHEN HE SPEAKS OF "UNIQUENESS"
he means that no one else can reproduce
his results!

A "CONSERVATIVE" SCHEME
Means that all answers will be
underestimated by 15%
from the correct ones!

Some Jamesonian notations, 1

“MULTIGRID”
Numerical bigamy ?

“SMOOTHING”
**A new religion based on spreading the
error!**

“FOURTH ORDER DISSIPATION”
**Is based on the idea that
Odd-Even Coupling
is more fun than Odd-Even Decoupling !**

Three well-known CFD names in the far-east

**Jameson's scheme is known as a
False-order scheme!**

Then there is the *van Rear* scheme!

**The other one I heard is that if you ever
form a matrix you must**

Horizontally: *Phil Roe*

and

Vertically: *Phil Collins* !

Honors, before Royalty

**JAMESON HAS BEEN INVITED TO
PRESENT HIS PAPERS
EVERYWHERE *and ANYWHERE,***

**IN FRONT OF
THE PRINCE OF WALES
AND
OTHER FINE HOTELS!**

Honors in the Far-East
Jameson's contributions, a matter of interpretation

**He was recently honored in the far-east
for his techniques and it was mentioned
that his biggest contribution was the
*Runge-Kutta method!***

**Whispers were heard among the
dignitaries at the end of the evening:
can you imagine how much greater he
would be today had he done the
*Righta-Kutta method!***

Jameson is considered CFD's Macho Man!

CFD MACHO MAN:

HAS

A LARGE

COURANT NUMBER!

**In 1994, Computational Science
is still more of a question than an answer!**

SOFT WHERE?

HARD WHERE?

Us, in CFD

**WITH SOME OF US IN CFD
ONE CANNOT HELP BUT FEEL THAT
THE LORD MUST HAVE ITERATED**

**BUT PROBABLY
DID NOT CONVERGE!**

Computational Fluid Dynamics: a definition

**A SCIENCE PRACTICED
BY CALCULATING INDIVIDUALS**

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connected to the **KGB**:

KORN-GARABEDIAN-BAUER!

He was determined, single-minded: there was no **LAXity** in his work and he never **WENDROFF** in too many directions. His motto: clean work, never **GROSSMAN**.

The RealMen (Riemann) Invariants Theorem

REAL MEN

SOLVE

THE

NAVIER-STOKES

EQUATIONS

The St. Jameson Bible: it's a JOB!

**Even at times when his relation with
NASA went *SOUTH*, he took *SALAS*
in the fact that he was the only one
with an airplane code!**

**He also took it stoically when people
commented that his scheme may not
be *GODUNOV* and went as far as
claiming his artificial compressibility
was really *HAFEZ'd* !**

A tribute to the
Pied Piper
of
NewMiracle Methods
for
Colorful Fluid Dynamics
Ithaca, N.Y., the year 60 AJ