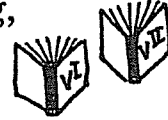




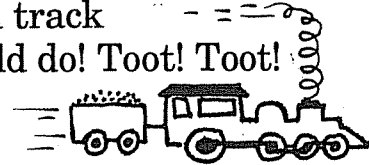
EVERYBODY SING-A-LONG!!!

(To the tune of 'Daisy')

Ta-vy, Ta-vy
What are you going to do?
We're half cra-zy, thinking up things for you.
You could try your hand at knitting,
But we can't see you just sitting,
So you'll come through
With something new,
Like a new thermo book or two!

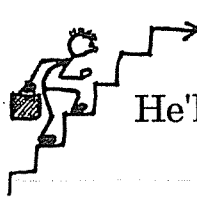


Ta-vy, Ta-vy
Oh, how we will miss you.
All your stories and all your jokes, so true!
Q A How will our students be whizzes
1. ? Without your weekly quizzes?
2. ? You'll have to come back
3. ? And keep us on track
Like a good engineer would do! Toot! Toot!



(To the tune of 'k-k-k-Katie')

t-t-t-Tavy
Crazy old Tavy
He's the c-c-c-Chem E that we all adore.
When the t-time comes
for his retirement,
He'll be p-p-p-puffing up to the fourth floor.



CEW
+
OL

The Levenspiel Number

Star light, start **bright**,
which reactor shall I pick **tonight**?
Sémi-batch, plug-flow, or **mixed**-
help me Dr. Suess, I'm in a **fix**!
At that moment, a jolly man appeared.
With a twinkle in his eye, he said:

There are many reactors to consider, many parameters to **plug in**.
To get started, we'll look at
the Levenspiel number, defined as **SEX** on **SIN**.

(First, let's look at Levenspiel numbers **high**.)

For reactions distinctly **wild**,
pack your bed with a delectable catalyst that will **increase**
mass transfer and energy **release**.

(Now, let's look at Levenspiel numbers **low**.)

For reactions distinctly **mild**,
intimately mix until you're **sure**
that something interesting will **occur**.

Dr. Suess, I said, you are so **wise**
but you haven't told me how to **maximize**
the Levenspiel number.

With a cheshire-cat grin he said metaphorically,

You can't maximize the Levenspiel number, try as you might. Reactors, like
people, each have their own Levenspiel number that is constrained by Nature.
With reactors, it's reaction kinetics. With people, it's just the way we are.

And with a sparkle of magic dust, Dr. Suess was gone
and I drifted into a deep sleep.

The next morning I awoke. Was it all a dream?

No it wasn't.

Lying next to **me**
was a copy of **CRE**
opened to page two-oh-**three**.

Title of problem: a new dimensionless parameter,
the Levenspiel number.



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Your daughter ...

Dick Tuttle

Bob Sproull

Susan Martin

Manuk Colakyan

Farhan Kayhan

Riley Cha

Dan Hagstrom

Sioux Boston

Lynn Barron

Marta Kokkon

CARLOS KOKKON

Noris Hagstrom



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Deborah Frasn
your first wife

Kiko Kimura

Tom Fitzgerald



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Patty & Tom McLintock

Scott Ferris

Salvador M. Bortels

Mary Ann

Greg & Kristin Rowed

ERIC SWENSON

Carolyn & John Gardner

Thomas Rosman Jones

Guadalupe Guatemala

ENRIQUE ARRIOLA GUEVARA



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Erma Weir

Peggy Affart

Miriam + Charlie Wicks

Jayne Mrazek

~~Walter~~

Bob Pettit

Vi Campbell

NICK WANNENMAEKER

Melvina and Austin Walter

Margaret Orsi

Stephen Orsi

Ed + Nancy Beaudry

Jack + Winnie



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Susan Unger

Pat Wallace

Ala Wallace

Wanda Holland

Dan Unger

Linda Wagner

Shay Wagner

Bob Yates

Bill Upton

Susan Upton

Shay + Linda Wagner



JUNE 8, 1991

The undersigned were present
and witnessed Octave's FIRST
but not LAST....
Retirement PARTY!!

Molly Goheen
Lela Morris
Frank Morris
Heberka Obradovic,
Marina Jovanovic
Zorac Jovanovic
Shoichi Kimura
Milind Kulkarni
Mimi Ongch
Zee Ongch
Tatjana Budukovic
Dolores Hegony
Victor Gregory
Mike DudaKaw
Sasa DudaKawic
Doug Wang
Debbie Wang
Ruth McGuire
Joelle Jani