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# Remembering Bob Pease

## Legendary Analog Expert

Texas Instruments honors the accomplishments of the company's legendary design engineer, Bob Pease, who died on June 18, 2011. During his 33-year career at National Semiconductor, Bob received 21 patents and designed more than 20 integrated circuits. Bob Pease was loved by the analog community and we celebrate Bob's passion for analog.

## East Coast Beginnings

After attending Northfield Mount Herman High School in Massachusetts, Bob earned a Bachelor of Science degree in electrical engineering from MIT in 1961 and started working at George A. Philbrick Researches. The Boston-based company launched the commercial use of the operational amplifier in 1952. There Bob worked on affordable mass-produced op amps using discrete solid-state components. He passed up an opportunity to work at nearby Analog Devices and instead moved to the San Francisco Bay Area to work at National in 1976, which had rapidly become one of the top three US semiconductor companies on the strength of its analog technology.

Among the semiconductor products Bob designed are temperature-voltage frequency converters used in groundbreaking medical research expeditions to Mt. Everest in the 1980s. He also designed a seismic pre-amplifier chip used to measure lunar ground tremors in the US Apollo moon landing missions. Among his more memorable designs are the [LM331](#) voltage to frequency converter and the [LM337](#) adjustable voltage regulator.

"Bob Pease was one of those analog engineers who spanned the semiconductor industry's early history," said EDN columnist [Paul Rako](#), a former colleague. "He started working on vacuum tubes and discrete components, then monolithic analog circuits with the planar process. Later in his career he put all of this accumulated knowledge to use as an applications engineer. That's what gave him such breadth."



## Analog Seminars & Pease Porridge

Bob's reputation grew as he shared the secrets of analog design with engineers around the world via National's Analog Seminars. Bob's passion for sharing information knew no bounds. He worked long hours from home as well as at National answering phone calls and emails from anyone with questions about analog design: customers, students, veteran engineers—it didn't matter.

"Discussing the solutions made one think differently and look at alternative possibilities," said strategic technologist Don Archer. "It was a fun time working with Bob and he loved working through difficult problems to find elegant answers."

During his tenure, he began writing a continuing popular monthly column in [Electronic Design magazine](#) entitled "[Pease Porridge](#)" about his experiences in the world of electronic design and application. Stories often started with his trademark expression "What's All This [topic] Stuff, Anyhow?" He also wrote for EDN magazine for a time. He authored



Download Bob's National website and navigate the pages on your computer

[Bob Pease Lab Notes 2005](#)

[\(What's All This Common Mode Rejection Stuff, Anyhow...\)](#) (pdf)

[Pease Porridge Column](#) at Electronic Design

[Troubleshooting Analog Circuits Book](#) (Amazon)

## Friends' Stuff

[EE Times](#) (Bill Schweber)

[EDN](#) (Paul Rako)

[Honoring Bob](#) (Paul Rako, EDN)

[Bob Pease's Office](#) (YouTube video from Paul Rako)

[Walt Jung Remembers Bob Pease](#) (EDN)

[A Bob Pease Photo Gallery](#) (Paul Rako, EDN)

[EEWeb Interview](#)

[Bob Pease Didn't Hate SPICE Models](#) (Paul Rako, EDN)

[Remembering Bob Pease The Writer](#) (Don Tuite, Electronic Design)

[PCB Design 007 Panel Interview](#)

[Bob Pease Remembered for Pease Porridge and a Whole Lot More](#) (Joe Desposito, Electronic Design)

[An English Major Remembers an Analog Giant](#) (Richard Gawel, Electronic Design)

[Analog Engineering Legend Bob Pease Remembered by Friends](#) (Paul Rako, EDN)

[Sheingold, Titus, Thompson, Hanrahan, Franco, et al on Bob Pease](#) (Paul Rako, EDN)



## Charity



Bob supported the [Nepal Youth Foundation](#), helping Nepalese children live better lives

Thank you!  
RAP

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