chronograph. It reduces the conventional three buttons to just one, and involves zero calculation to detemine the time difference. Essentially there are four separate movements inside the case; the main timekeeping one and three individual ones for each of the three registers. All these need balance wheels, escapements and shock protection; it might well be the "densest" movement I have ever seen.

17 Dominique Fléchon

HISTORIAN, CONSULTANT AND EXPERT IN FINE WATCHES

The **HYT movement**, a marriage of mechanical watchmaking and "fluids", is a big first in the horological world. It is particularly interesting for its innovative qualities, and is original for the fact that this highly specialized technology has now been mastered. Moreover, it's a technology that could affect areas outside watchmaking. Nobody could have foreseen a watch keeping the time with a "fluid" when the hourglass seemed to have reached its limits.

18 Jack Forster

MANAGING EDITOR, HODINKEE.COM

The **Series 2 Co-axial** movement produced by **Roger Smith** for the Series 2 wristwatch stands apart from a generally rather homogenous range of movements. It's wonderfully crafted, visually and technically distinctive, and represents an intellectual continuity in escapement design that few other brands, if any, can match—and that with the use of only traditional materials.

19 Eric Giroud

WATCH DESIGNER

The **Chronomètre à Résonance** created by the watchmaker **F.P. Journe** is an extraordinary movement. It is fascinating from both a technical point of view and an aesthetic one. What I find most appealing are its magic and poetic aspects. It has two balance wheels that come to life through a physical phenomenon, and this brings out a lot of magic and sensuality.

20 John Goldberger

COLLECTOR

At the 2015 Basel show, **Rolex** launched the **calibre 3255** under the hood of the new Day-Date 40. It is a new-generation mechanical movement with 14 patents, which incorporates the new Chronergy escapement, which combines high energy efficiency with great dependability—it's also insensitive to magnetic interference. The oscillator, the true heart of the watch, has an optimized blue Parachrom hairspring, which is up to 10 times more precise than a traditional hairspring in case of shocks. This properly engineered machine is probably one of the best series-produced movements in the world right now.

21 James Gurney

EDITOR-IN-CHIEF, *QP* MAGAZINE

In my opinion, the **Omega calibre 8900** is the most technically sophisticated movement ever made. The critical escapement and balance assembly use materials that simply perform better than their predecessors, while the associated manufacturing techniques allow new levels of precision and control. Nickel-phosphorus and silicon allow for reduced friction and better stability across temperature ranges as well as resistance to magnetic interference. The Co-axial escapement at the movement's heart, which also reduces friction, allows for a slower rate, meaning less wear and tear and consequently a longer service interval.

22 Adrian Hailwood

DIRECTOR AND WATCH SPECIALIST, FELLOWS

If favourite movements tend to be venerable old workhorses or the latest cutting-edge design and technology, then **Breguet's calibre 507DR** is a little of both. Launched in 2005 to power the Tradition collection, it was the first of the new breed of shrunken-dial, exposed-movement watches to hit the market. The workings are a copy of a Souscription watch movement from 1796, complete with the original pare-chute shock-protection mechanism. Designed by A.L. Breguet, its elegant symmetry reveals the mind of a genius.

23 Régis Huguenin

CURATOR, MUSEE INTERNATIONAL D'HORLOGERIE

The **Valjoux 7750** self-winding chronograph movement from ETA may not be the most prestigious of calibres, but it is one of the most widely used in the world. It has demonstrated a remarkable degree of longevity. Launched on the eve of the quartz crisis in 1973, it is one of the rare specimens to have survived it. Its robust performance affords those watchmakers who use it a great variety of customization and interpretation. As such, it is the movement of the MIH-Watch, the official watch of the International Museum of Horology, on the basis of which Ludwig Oechslin designed a nine-piece annual calendar, still manufacutred to this day by Paul Gerber.

24 Ken Kessler

EDITOR-AT-LARGE, *REVOLUTION* MAGAZINE

While the temptation to choose some outré creation is attractive, the movements that warrant respect are those with deserved longevity. There are more candidates than one might imagine, from Valjoux, ETA, Unitas and the like, but head and shoulders above them all is the **Zenith El Primero**. Four years away from its half-century, this automatic column-wheel chronograph movement was released concurrently with two rivals for the honour of being the first. They're not around any more. Good enough for Rolex to use for nearly three decades, it's probably the finest automatic chronograph movement. Ever.

WILL HOLLOWAY (FORSTER); JOHANN SAUTY (GIROUD); ADRIAN HAILWOOD (HAILWOOD); MIH. V. SAVANYU (HUGUENIN)