ANIMAL HEALTH NEWS & NOTES CELEBRATES
17 YEARS OF INDUSTRY NEWS

We hope each of you has had a successful and prosperous 2016, and that 2017 will be full of new opportunities for you and your companies. Thanks to our many clients for utilizing our services during the year and making 2016 another successful year for Brakke Consulting.

In this last newsletter of 2016, we’ve listed some of the key events that occurred during the year for your review and files. It’s been a busy year and we see more of the same in 2017. Remember, be careful whose shoes you are stepping on because you might be polishing them next year!

Ron Brakke

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BRAKKE CONSULTING, INC.
Serving the Worldwide Animal Health and Pet Care Industries

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Selected news events from the past 12 months of Animal Health News & Notes

ACQUISITIONS, MERGERS, NEW COMPANIES:

December
- Pilgrim’s Pride acquires GNP from The Maschoffs
- Ceva acquires Brazil-bases Hertape Saude Animale and Inova Biotechnologia Saude Animale
- Neogen acquires UK-based Quat-Chem
- Pancosma acquires 80% stake in China-based Jangsu Keybio Biology Technology
- Bayer acquires Cydectin portfolio from Boehringer Ingelheim
- Outward Hound acquires Dublin Dog
- Swedencare AB acquires NutriScience from Ecuphar
- BuddyRest acquires PetNV
- Medvet Medical & Cancer Centers for Pets acquires Emergency Animal Clinic
- EQT VI acquires UK-based Independent Vetcare Limited (IVC)

**November**
- EnBiotix acquires AMP Therapeutics
- Midmark acquires VSI veterinary practice equipment manufacturer
- Evonik acquires METEX methionine production technology
- Bentley’s Pet Stuff acquires Pet Food Zoom
- Pegasus Labs acquires Veterinary Products Laboratories from Central Life Sciences
- Avivagen and Shaanxi Jintai Mining form a Chinese joint venture
- Bimeda acquires marketing rights to Ceva’s U.S. equine portfolio
- Land O’Lakes acquires Southern States Cooperative’s animal feed business

**October**
- Elanco acquires Boehringer Ingelheim’s US companion animal and rabies vaccine portfolio
- Tractor Supply acquires Petsense pet store chain
- Ceva acquires selected Merial ex-US products
- Gimborn Holding is sold to Hillhouse Capital Management
- Bentley’s Pet Stuff merges with Moochie & Co.
- Kriser’s Natural Pet acquires Wylie Wagg for Pets
- Worldwide acquires SHERPA
- Central Garden & Pet acquires Segrest aquarium fish wholesaler
- PetSmart acquires AllPaws online pet adoption site

**September**
- Pharmgate announces acquires ProtaTek International
- Dechra acquires New Zealand-based Apex Laboratories
- Novozymes acquires Germany-based Organobalance
- TVM Laboratory acquires UK-based Forum Animal Health

**August**
- Pamlico Capital acquires Veterinary Practice Partners from Deerfield Management
- Zoetis acquires Scandinavian Micro Biodevices

**July**
- ANIMART acquires Stockmen’s / Midwest Supply
- Merck acquires a 90% stake in Brazil-based Valle SA
- ORIX acquires Fujita Pharmaceutical
- C&D Foods acquires France-based Continentale Nutrition
- Evonik acquires the probiotics business of Spain-based NOREL
- Nutreco acquires South Africa-based Advit
- Nusciencce acquires Uruguay-based Solapa (aka Nutral)
- Pet Valu and Pet Supermarket announce a merger to form Pet Retail Brands
- National Veterinary Care acquires Australia-based United Vets Group

**June**
- Radio Systems acquires Piddle Place
- Ceva acquires France-based Biovac Laboratories
- Alltech acquires Ranch-Way Feeds
- New Harbor Capital acquires a majority stake in Wedgewood Pharmacy
- Milk Specialties Global announces a management buyout with American Securities
**May**
- Neogen acquires Preserve International and Tetradyne
- Nutritech International and Lallemant NZ announce plans to merge
- InVivo acquires Philippines-based Popular Feedmill Corporation
- Alivira Animal health acquires Sweden-based N-Vet, two divisions of Benelux-based Fendigo, and a 60% stake in Karizoo Group

**April**
- AGDATA acquires Focus Technology Group
- Mars Petcare acquires Whistle smart dog collars
- Alivira Animal Health acquires 70% stake in Interchange Brazil (Evance)
- ORIX acquires Kyoto Biken Laboratories
- Merck acquires worldwide rights to Whisper Veterinary Stethoscope System from Geissler Companies
- AgriLabs acquires Antelope Valley Bios and Benchmark Biolabs, as well as Benchmark’s ownership interest in VaxLiant
- The Company of Animals acquires Pet Head brand
- Neogen acquires Brazil-based Deoxi Biotecnologia LTda
- Alltech acquires Ireland-based Keenan Systems

**March**
- VCA acquires 80% stake in Companion Animal Practices North America (CAPNA)
- Intrexion acquires EnviroFlight and forms a joint venture with Darling Ingredients
- Ceva acquires India-based Polchem
- InVivo acquires Italy-based Agrindustria
- Dechra acquires Putney
- Guardian Capital acquires Hyper Pet

**February**
- Balchem acquires Albion International
- Sumitomo acquires feed additive company XiWang International Trading Company
- InVivo NSA acquires Dutch feed additives company Daavision
- AB Agri acquires Danish feed manufacturer AgroKorn
- Manna Pro Products acquires Harris Farms
- MWI acquires UK buying group St. Francis Group
- Afimilk acquires UK-based Silent Herdsman
- C.J. Foods acquires Day Six Pet Nutrition
- Kodo Inc. acquires North American Precise and ANF brands from Texas Farm Products
- Versele-Laga acquires Goldenfeast

**January**
- Huvepharma acquires medicated feed additives portfolio and manufacturing sites from Zoetis
- Neogen acquires rodenticide assets from Virbac
- ImmuCell acquires certain assets from DAY 1 Technology
- Manna Pro Products acquires Nutri-Vet and Petnology Essentials
- Mendota Products acquires DERMagic Skin Care for Animals
- Radio Systems acquires Southern Pet Containment
- Zydus Animal Health acquires certain Indian market brands and manufacturing operations from Zoetis
- ALK divests its European immunotherapy veterinary business to Fidelio Capital
- Phibro acquires assets of MVP Laboratories
- Chr. Hansen Group acquires Nutrition Physiology Holdings and Guardian Food Technologies from the Halifax Group
- Henry Schein acquires RxWorks veterinary practice management software
- WellPet acquires Sojos raw pet food company
- Zoetis sells 55% stake in a Taiwanese manufacturing site to Yung Shin Pharmaceutical Industrial
- Dechra Pharmaceuticals acquires Mexico-based Brovel
- Sumitomo acquires Japanese online pet supplies retailer COCORO Corporation
- Pancosma & Associates acquires Brazil-based Btech

**PRODUCT LAUNCHES, APPROVALS, LICENSING DEALS:**

**December**
- Zoetis launches FluSure XP swine influenza vaccine
- Phibro Aqua launches PAQ-Gro for Hatchery nutritional feed supplement for fish
- Anivive Lifesciences licenses a novel kinase inhibitor from the University of Arizona to develop as a treatment for solid tumors in dogs
- Elanco launches Onsior (robenacoxib) tablets and injection for dogs
- Cronus Pharma launches generic Clindamycin Hydrochloride Oral Liquid for cats and dogs
- Panion Animal Health licenses CombiGene’s epilepsy gene therapy for companion animals
- Veterinary Naturals launches line of organic supplements for pets
- Link AKC launches smart collar for pets

**November**
- The FDA approves Elanco’s Intrafungol (itraconazole oral solution) for ringworm in cats
- The FDA approves Elanco’s Inteprity and Coban feed additive for poultry
- Ceva launches Catego flea and tick spot-on for cats
- Evolve BioSystems launches GlycoGuard oral microbial gel for foals
- Greveling Holding Netherlands and A&H Health Switzerland sign an agreement to develop Creso Pharma’s cannabidiol nutraceutical products for pets
- BioZyme launches Hydraboost supplement for swine and poultry
- SwedenCare USA introduces ProDen PlaqueOff Dental Bites for Cats
- Virox Animal Health launches Rescue Ready to Use Liquids and Ready to Use Wipes
- Nuzzle launches a GPS-enabled smart collar for pets

**October**
- Merck launches Bovilis Coronavirus intranasal vaccine
- Aratana Therapeutics launches Nocita (bupivacaine liposome injectable) for post-operative analgesia for cranial cruciate ligament surgery in dogs
- AniCell Biotech launches BioScaffold Surgical line of regenerative products for use in surgery
- Rayence launches MyVet digital imaging systems
- Aspen Veterinary Resources launches Easy Cow and Gold Pro Cow stall and feed additives to reduce mastitis
- Merck receives USDA approval for Nobivac Canine Flu Bivalent Vaccine
- Boehringer Ingelheim launches Ultra Duramune Lyme vaccine
- T-Cyte Therapeutics launches Lymphocyte T-Cell Immunomodulator for treatment of canine osteoarthritis
- Diamond Pet Foods launches Diamond Care Rx Renal Formula for adult dogs
- E.I. Medical Imaging launches EVOSStream wireless ultrasound streaming technology
- BioZyme launches AO-Biotics natural feed additive for swine and poultry
September
- Dechra launches PhycoDent Rawhide Chews
- Purina launches Pro Plan Veterinary Diets EN Gastroenteric Low Fat Canine Dry and Canned formulas
- Zoetis announces the UK launch of Cefshot (cephalonium) dry cow intramammary antibiotic
- Benchmark Holdings and Evax announce a partnership to develop a vaccine to prevent and treat sweet itch in horses
- The FDA approves Cross Vetpharm’s Bilovet (generic tylosin) for use in cattle and swine
- Naturally Healthy Pets launches New Zealand Deer Velvet Oral Drops for pet oral health
- Advanced Animal Diagnostics and Zoetis announce an agreement to market QScoat MLD mastitis detection test in Europe
- Jaguar Animal Health and Integrated Animal Nutrition and Health announce an agreement to distribute Croton lechleri botanical extract for dairy cattle and pigs in China
- The FDA approves Dechra’s generic Amoxicillin Trihydrate and Clavulanate Potassium Tablets
- Neogen launches reformulated ThyroKare Equine Powder supplement
- Nestle Purina and TerraVia announce a joint development agreement regarding algae-based nutrition ingredients for companion animals
- Midmark launches VetPro OptiMax Digital Sensor System for dental imaging
- Diamondback Drugs launches VetPrescriber software
- CBD Unlimited launches Phyto-bites hemp chews
- Tomlyn Pet Health launches EPIC line of horse and calf care supplements
- Sojos launches Sojos Complete for Puppies and Sojos SimplyPuppy raw all-meat treats
- Boehringer Ingelheim launches PolyMast (hetacillin) intramammary mastitis treatment for dairy cows
- Torigen Pharmaceuticals launches VetIVax autogenous cancer vaccines for pets
- Piedmont Animal Health receives EPA approval for Flynex Granules (cyromazine) for control of fly larvae in livestock operations
- Akorn Animal Health launches Gentamycin Sulfate Ophthalmic Solution
- Wedgewood Pharmacy launches Green Rabbit Rx prescribing software

August
- Zoetis launches Triamulox (tiamulin) for use in pigs
- Merck launches Safe-Guard AquaSol (fenbendazole) dewormer for swine
- Merial launches Zactran for use in swine
- The FDA approves Cross Vetpharm’s Praziquantel generic injection for dogs and cats
- Boehringer Ingelheim launches Ultra Hybrid FVRCP vaccine
- Blue Buffalo launches KS Kidney Support for Dogs and KM Kidney + Mobility Support for Cats veterinary therapeutic diets
- VetBiotek announces a licensing agreement with Bio-Gate AG to develop and market MicroSilver BG in the veterinary channel
- Assisi Animal Health launches the Assisi-Hero Loop-Aid
- Bayer launches Clean-Up II Pour-on Insecticide for cattle
- DS Pharma and Jitsubo Company announce an agreement to develop ghrelin for use in dogs and possibly livestock

July
- The FDA approves Cross Vetpharm’s FerroForte generic gleptoferrin for use in pigs
- Kemin Industries receives FDA approval for Chemtrace Chromium for broiler chicken diets
- Neogen launches two test to detect Mycobacterium avium paratuberculosis (Johne’s disease) in cattle
- Virbac launches its Defensin technology for its dermatology product line
- Brookside Agra launches Runt-Rescue nutrient supplement for newborn piglets
• Merck receives FDA approval for Bravecto (fluralaner) Spot-On solution for dogs and cats
• Boehringer Ingelheim and CZ Veterinaria announce a collaboration to market Entericolix sow vaccine in Europe
• Ceva withdraws Velactis (cabergoline) from the market
• Petco launches Drs. Foster and Smith pet food line
• VetX launches a platform that allows pet owners to contact a veterinarian at any hour
• Viagen Pet announced it is offering pet cloning services

**June**
• Parnell Pharmaceuticals announces a manufacturing agreement with Merial for certain sterile injectable products
• The FDA approves Med-Pharmex’s generic Mometavet for treatment of otitis externa in dogs
• Hill’s launches Prescription Diet Mobility Treats for dogs
• Merck signs an agreement with CZ Veterinaria to distribute its Bluevac BTV8 bluetongue vaccine in Europe
• Bayer and TransferTech Sherbrooke announce a global license agreement to develop a novel mastitis vaccine
• Ceva announces a partnership with M2i Life Sciences to develop pheromones used in animals
• IDEXX launches Rapid Visual Pregnancy Test for cattle
• Huvepharma receives FDA approval for Tilmovet 90 and Rumensin 90 generic feed additives
• Nuscience Group and PMI Nutritional Additives announce a strategic partnership to develop feed technology products for livestock
• Elanco and Enbiotix announce a collaboration to explore the latter’s engineered phage technology as alternatives for antibiotics
• Tonisity launches Tonicity Px isotonic protein drink for pigs
• VetSource and Henry Schein announce a strategic relationship
• Elanco launches Agita 10 WG insecticide
• IDEXX launches ImageVue DR50 Digital Imaging System
• Vetriscience Laboratories launches Entero Flora Pro probiotic supplement
• Animal Health Technologies launches The Calmz Anxiety Relief System for dogs
• Nutramax Labs launches Cosequin ASU Active Lifestyle Nutritional Supplement for dogs
• H.J. Baker launches Vegain vegan protein supplement for poultry

**May**
• Nutramax Labs launches Proviable-Forte Digestive Health Supplement
• Merial launches Frontline Gold (fipronil/pyriproxifen) for Dogs and Cats
• Zoetis launches Sileo (dexamethomidine) oromucosal gel to relieve anxiety due to noise aversion in dogs
• Elanco launches Inteprity (avilamycin) to prevent mortality due to necrotic enteritis in broiler chickens
• Aratana Therapeutics receives FDA approval for Entyce appetite stimulant for dogs
• Genus licenses Caribou Biosciences’ CRISPR-Cas9 gene editing technology in livestock
• Biogal Galed Labs launches PCRRun Canine Babesia gibsoni detection test kit
• Royal Canin launches Royal Canine Treats to support special dietary needs

**April**
• Centrexion acquires analgesic candidates from Boehringer Ingelheim
• Purina launches Pro Plan Veterinary Diets dry UR Urinary Ox/St Canine Formula
• Standard Process launches VF Thymex supplement for dogs and cats
• Aurora Pharmaceutical launches Clarity Non-spermicidal A.I. Lubricating Jelly
• InQpharm licenses LiveLeaf’s LiveXtract phytobiologics for production livestock and horses
• Multi Radiance Medical launches ACTIVet Pro cordless laser therapy device
• Protequus launches Nightwatch smart halter and collar for horses
• Jaguar Animal Health’s Canalevia (crofelemer) receives MUMS designation for treatment of chemotherapy-induced diarrhea in dogs
• VetBioktek launches UltraOtic Rinse and UltraOtic Concentrate ear therapy protocol
• BioTracking launches BioPRYNHfr-25 heifer blood pregnancy test
• Merial launches Recombitek C8 canine leptospirosis vaccine
• Elanco licenses Aratana’s Galliprant (grapiprant) canine osteoarthritis treatment
• Ceva launches Combiva II (imidaclopril/pyriproxifen)
• Nutramax Labs launches Cosequin Omega-3 for Skin and Coat supplement
• Becton-Dickinson (BD) launches BD Pet Syringes veterinary insulin syringes

March
• Zoetis receives USDA approval for Vanguard Rapid Resp Intranasal and Vanguard B Oral vaccines for preventing Bordetella bronchiseptica in dogs
• Zoetis launches Clarifide Plus genomic test for dairy cattle and GeneSTAR Horn/Pollled genomic test
• Virbac launches C.E.T. OraStrip Dental Diagnostic Test
• Dechra launches Zycortal (desoxycorticosterone) Suspension for treating Addison’s Disease in dogs
• The FDA approves ECO LLC’s WormX (pyrantel pamoate) for use in dogs
• Mars Veterinary launches the Optimal Selection test for breeders, powered by Genoscooper
• VetCell Therapeutics begins production of Regen OA and EvoluGen OA cell therapies for treating osteoarthritis in dogs
• Merial and Zoetis announce an agreement for Merial to market and sell Zoetis’ products for dairy cattle in India
• Merck and Harrisvaccines receive USDA approval for Prescription Product RNA Particle vaccine platform
• Elanco receives FDA approval for Imrestor (pegbovigrastim) to reduce clinical mastitis in dairy cows
• Perrigo launches PetArmor Advanced 2 (imidaclopril/pyriproxifen) and PetArmor Flea & Tick Collar for Dogs (deltamethrin)
• Biogal Galed Labs receives USDA approval for ImmunoComb Feline Panleukopenia Titer Test
• ChampionUSA launches JustiFLY Feedthrough to control flies in cattle
• Embark Veterinary launches the Embark Dog DNA Test
• Aratana Therapeutics receives FDA approval for Galliprant (grapiprant) for treating osteoarthritis in dogs
• Innovacyn launches Vetericyn FoamCare shampoo for pets and horses
• Addison Biological Laboratory launches MAXI/GUARD Oral Cleansing Wipes
• Oculus Innovative Sciences announces an agreement with Manna Pro Products for the MicrocynAH line of products
• VetBadger Software launches VetBadger Practice Management Software
• PetNDA Labs launches K9 Smiles oral swab for identifying oral bacteria
• Premune and Innovet Italia announce an expanded licensing agreement for companion animal products
• Zoetis receives conditional USDA approval for Avian Influenza Vaccine H5N1 subtype
• ECO Animal Health receives FDA approval for Aivlosin medicated feed article for treating ileitis in swine, to be marketed through Pharmgate
• Zuke’s launches Ascent Natural Dog Food

February
• Lloyd’s receives FDA approval for Thyro-Tabs (levothyroxine) for dogs
• E.I. Medical Imaging launches Ibex EVO portable ultrasound system
• Merck launches the Pet Diabetes Tracker app
• Central Life Sciences receives approval for ClariFly larvicide feed additive
• NovaVive receives USDA and Canadian approval for Immunodicin to treat equine sarcoid tumors
• Zoetis receives FDA approval for Simparica (sarolaner) monthly oral flea and tick preventative for dogs
• Ceva announces EU launch of Velactis (cabergoline) injection for inducing dry-off in dairy cows

January
• Zoetis receives USDA approval for Vanguard crLyme vaccine for dogs
• Gour Medical enters an exclusive license agreement with IDEXX to develop a recombinant monoclonal antibody for treating canine allergy
• Gour Medical enters an agreement with Medicom Healthcare to provide eyecare products for animals
• AGL launches Vetrax veterinary medical device and information platform
• Modern Veterinary Therapeutics receives Canadian approval for Nerfasin 100 (xylazine)
• TyraTech launches PureScience insect control products for poultry
• Virtual Imaging launches the RadPRO1 OMNERA 50 Veterinary Digital Radiographic System
• Diasys Diagnostic Systems launches the respons920VET Clinical Chemistry Analyzer
• Anatara Lifesciences signs an evaluation and license option agreement with Zoetis for Detach
• Ceva and Zoion Pharma announce a collaboration to develop a treatment for veterinary ocular surface diseases
• Virbac launches Movoflex Soft Chews joint supplements
• Nutramax Labs launches Cobalequin cobalamin supplement
• Adartis Animal Health launches Kalvatin Dental Spray and Dental Gel for pets
• IDEXX launches IDEXX Neo cloud-based practice information management system
• Brookside Agra launches AgFlu multipurpose disinfectant
• Elanco launches Kevault antibiotic for use in swine
• IDEXX launches SediVue automated sediment urinalysis analyzer
• Hill’s launches Prescription Diet Derm Defense for dogs
• Adisseo and Novozymes launch Alterion probiotic for poultry

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